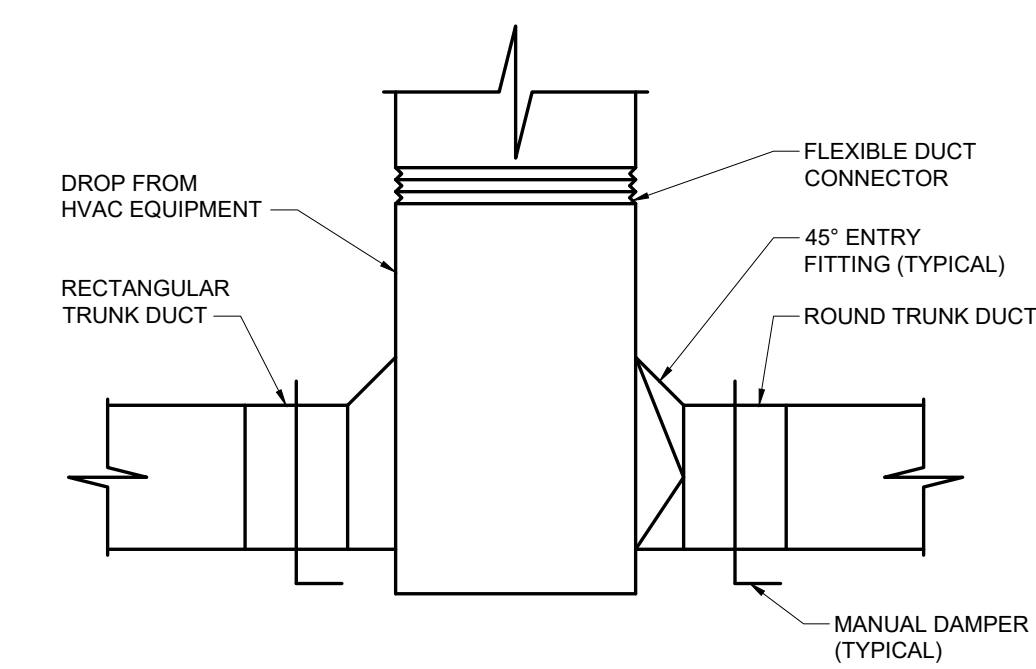
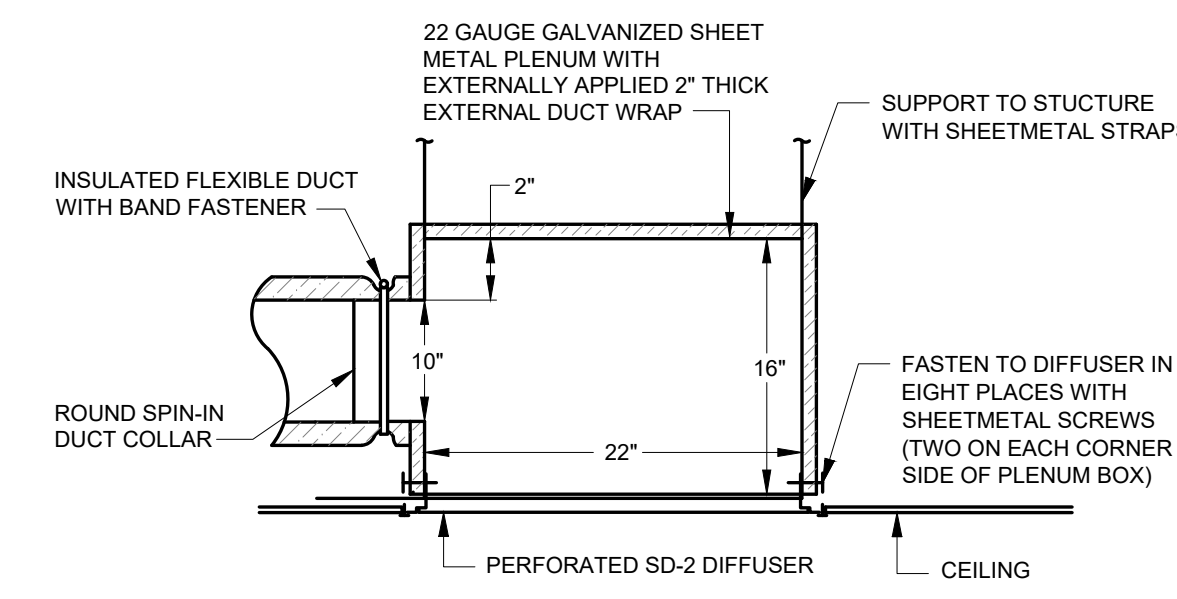


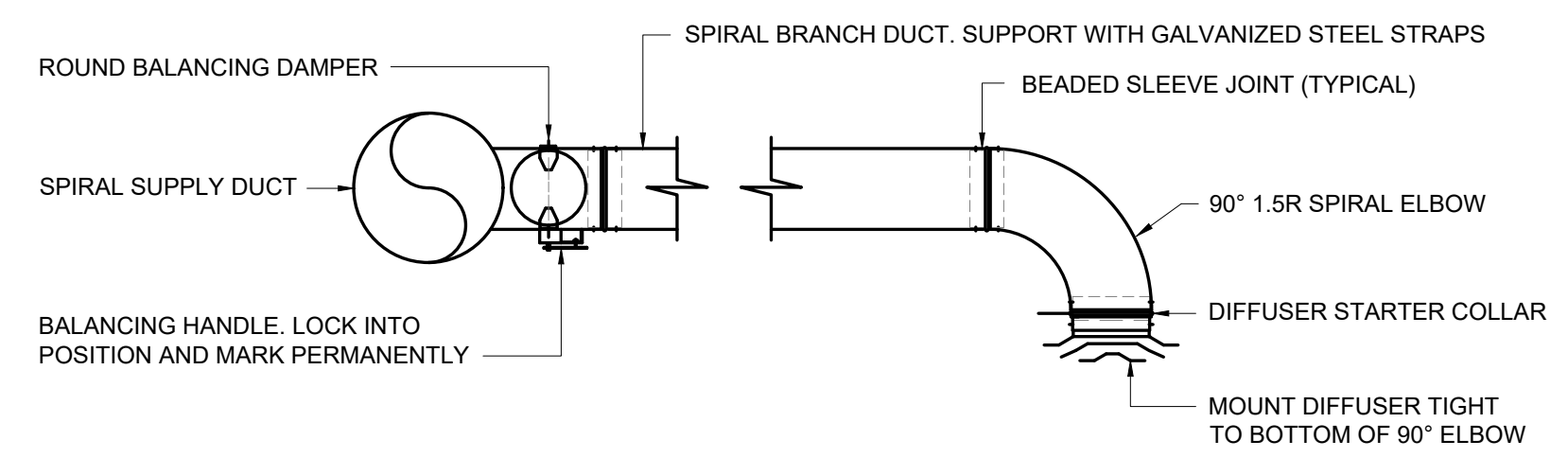
EXHAUST FAN DETAIL (12)
NOT TO SCALE



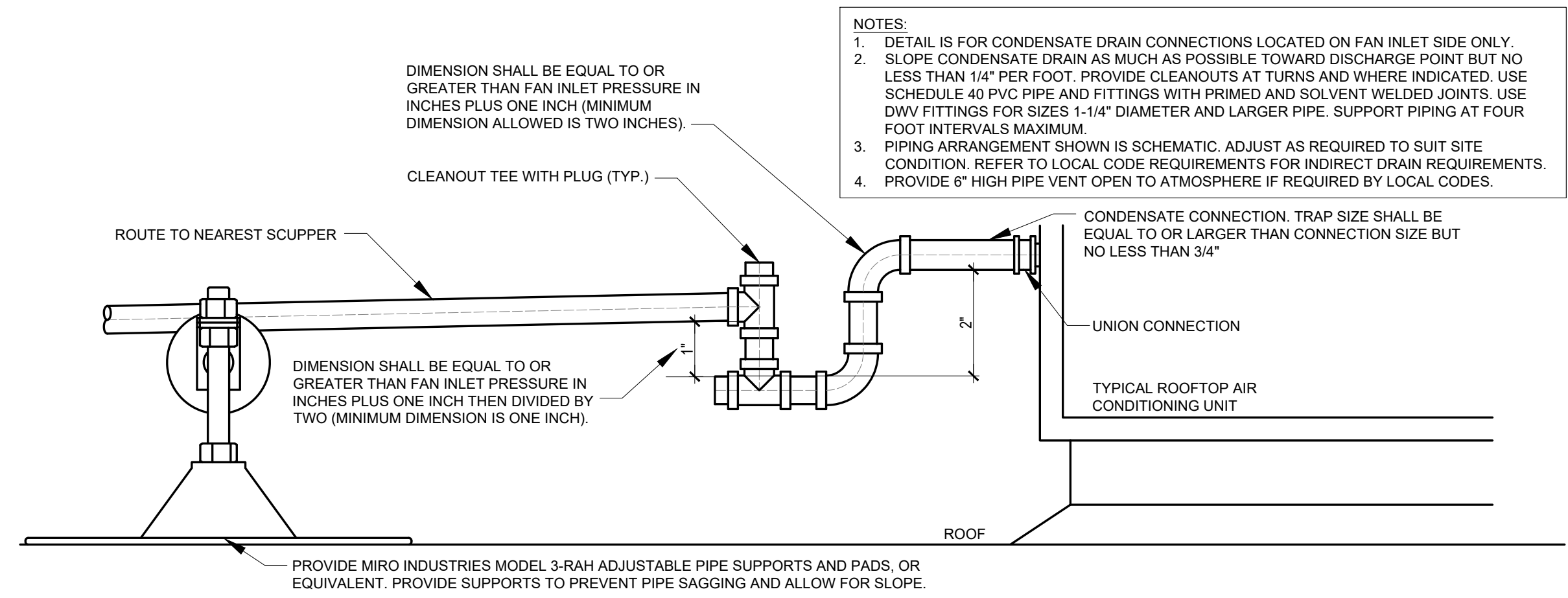
ROOFTOP EQUIPMENT DUCT DROP DETAIL (11)
NOT TO SCALE



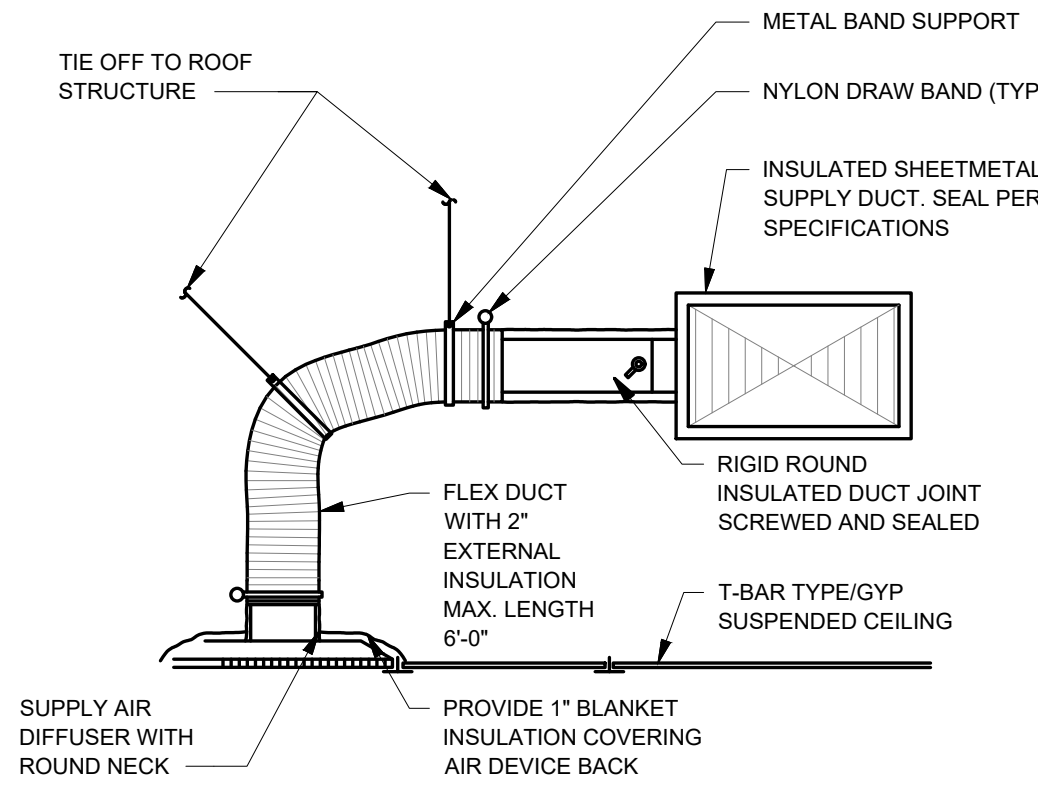
DUMP BOX DETAIL (07)
NOT TO SCALE



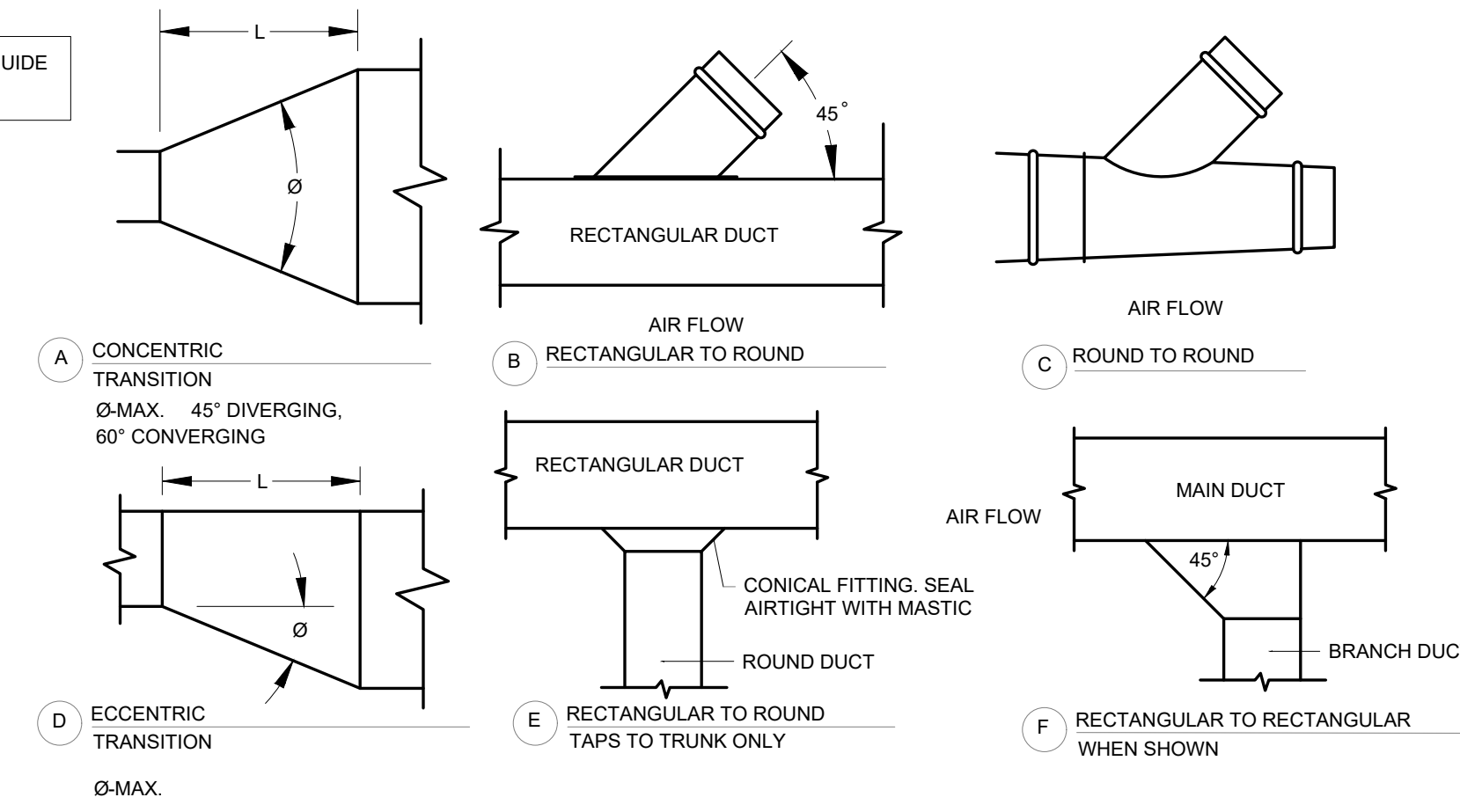
EXPOSED BRANCH DUCT INSTALLATION DETAIL (03)
NOT TO SCALE



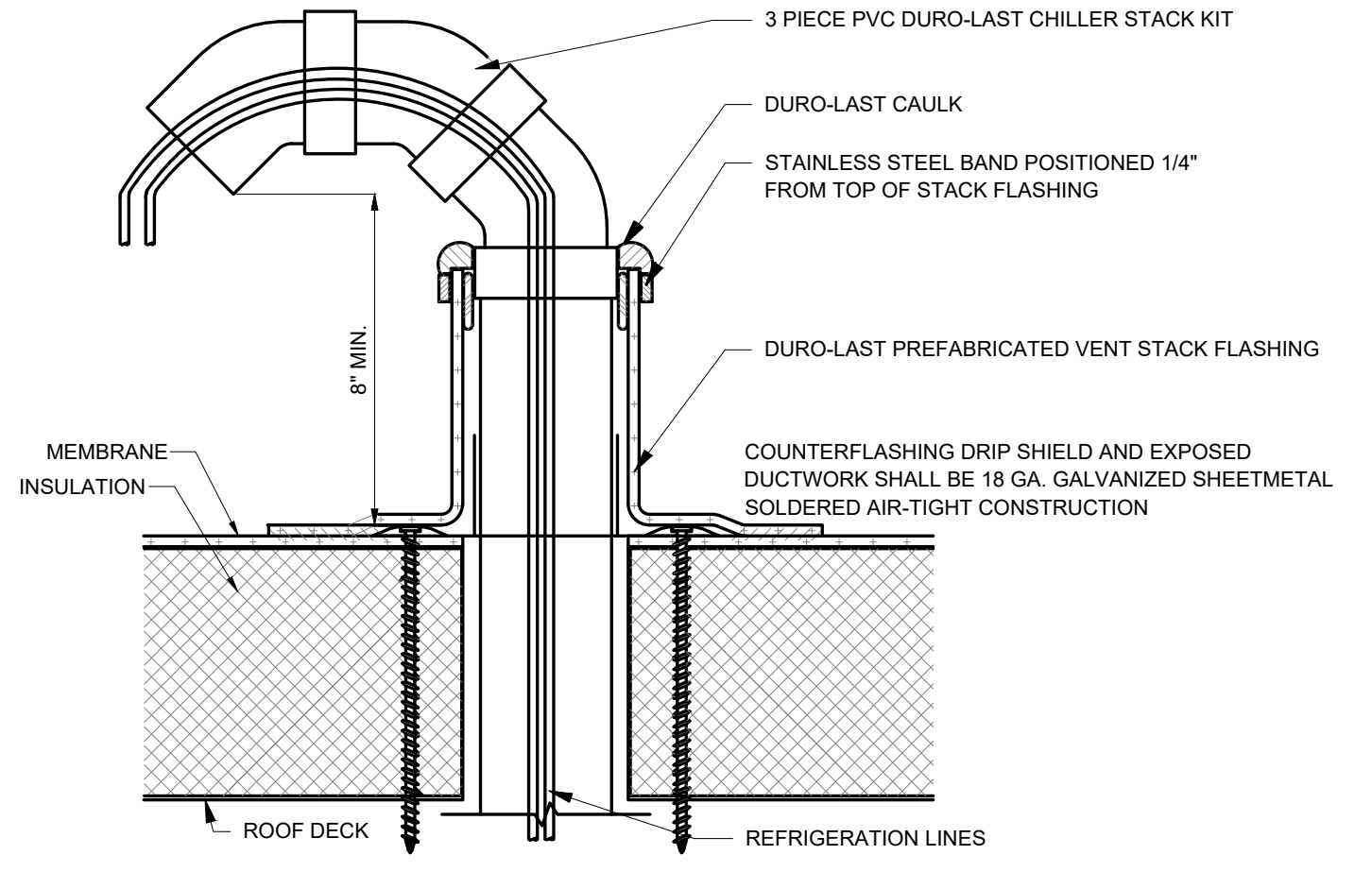
ROOFTOP UNIT CONDENSATE (10)
NOT TO SCALE



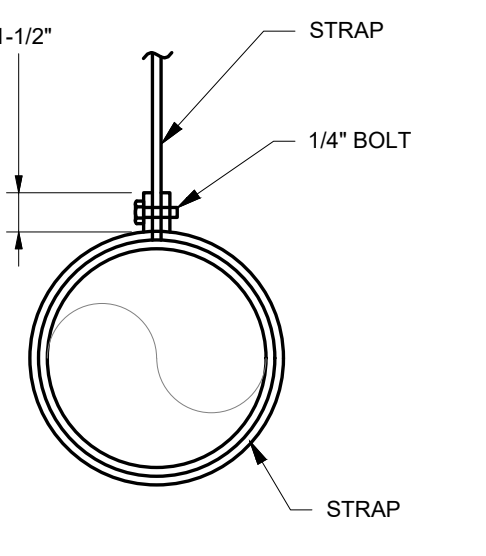
CEILING DIFFUSER DETAIL (06)
NOT TO SCALE



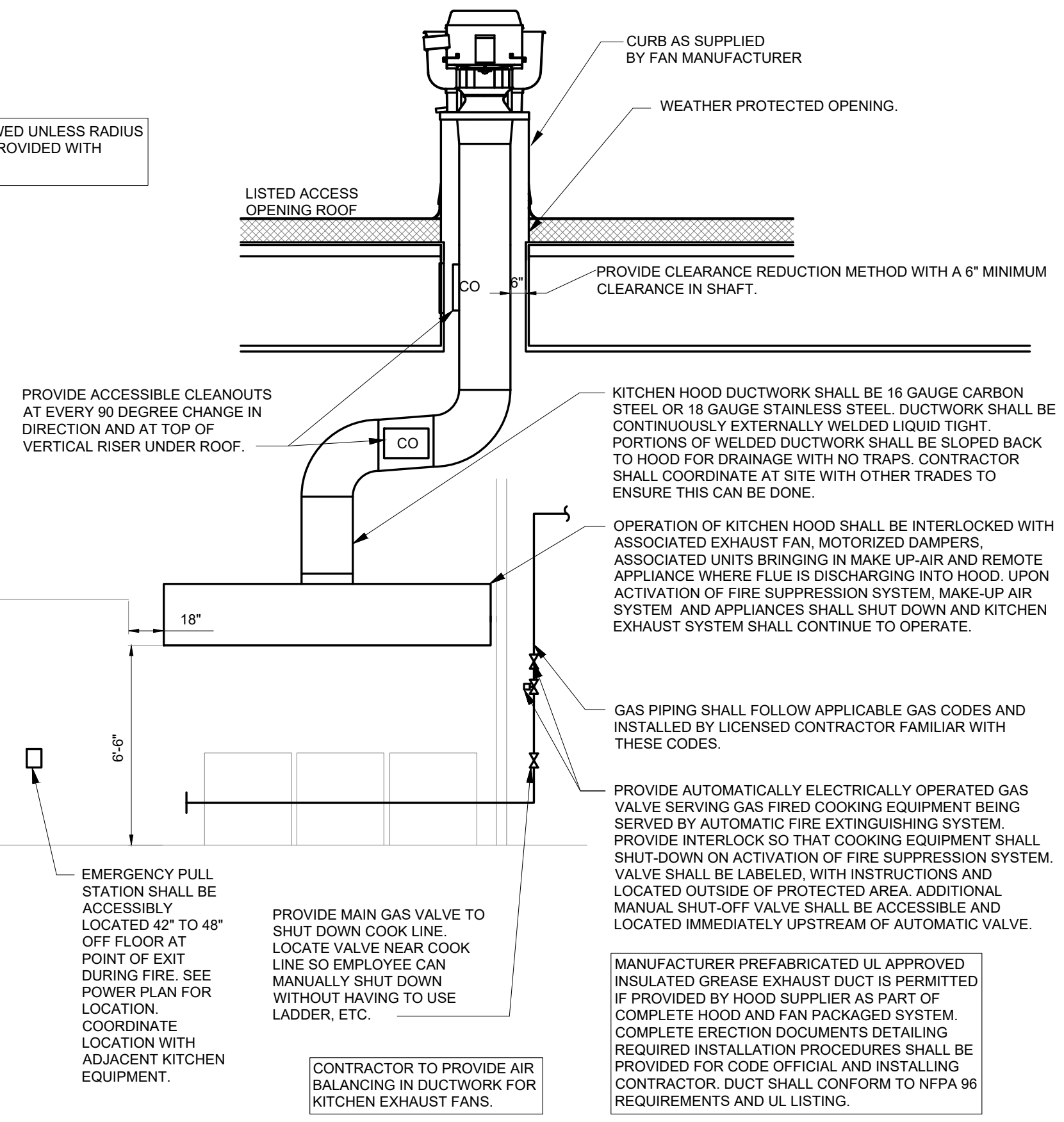
DUCT FITTING DETAILS (02)
NOT TO SCALE



GOOSENECK WEATHERHOOD ROOF PENETRATION DETAIL (09)
NOT TO SCALE



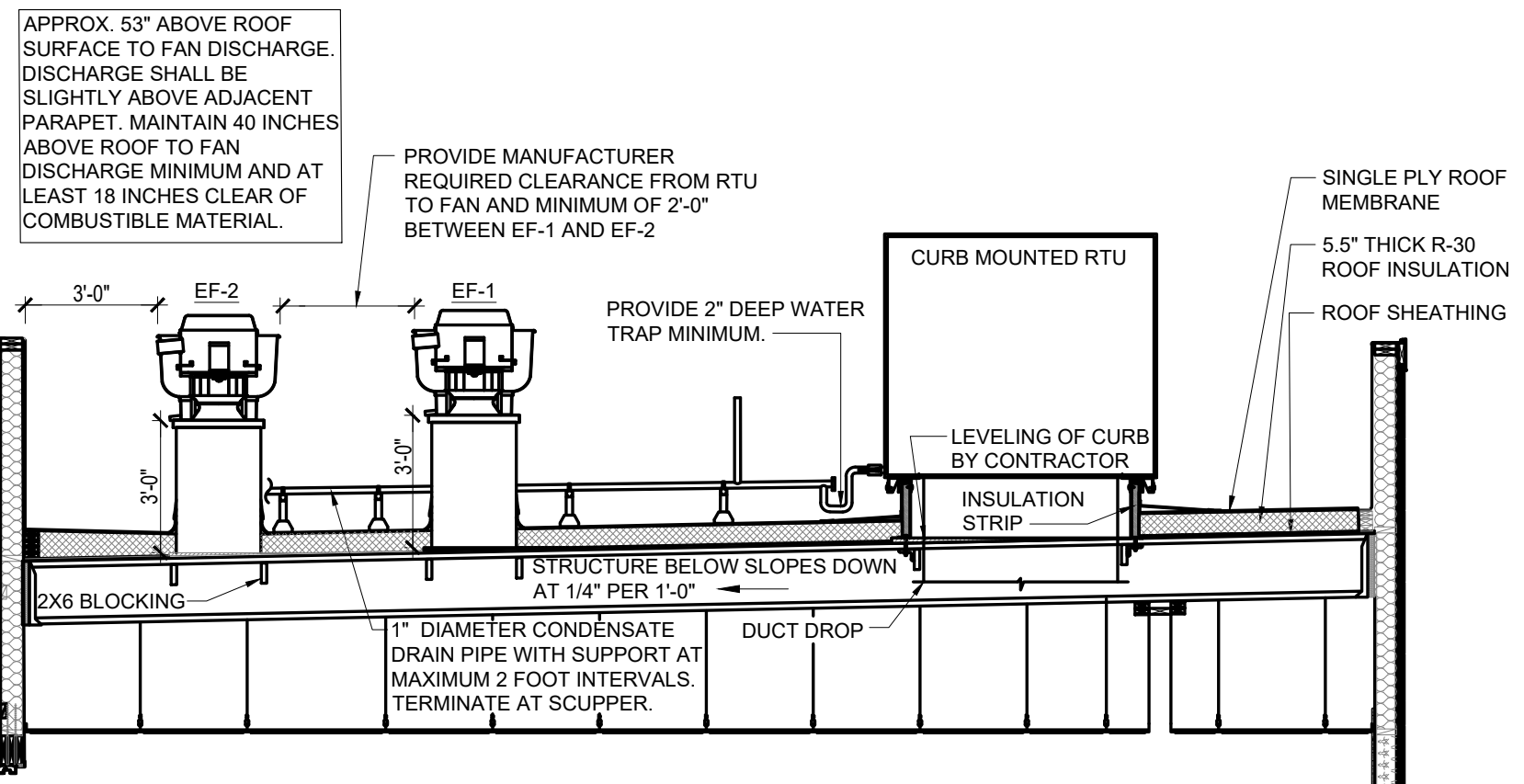
ROUND DUCT HANGER DETAIL (05)
NOT TO SCALE



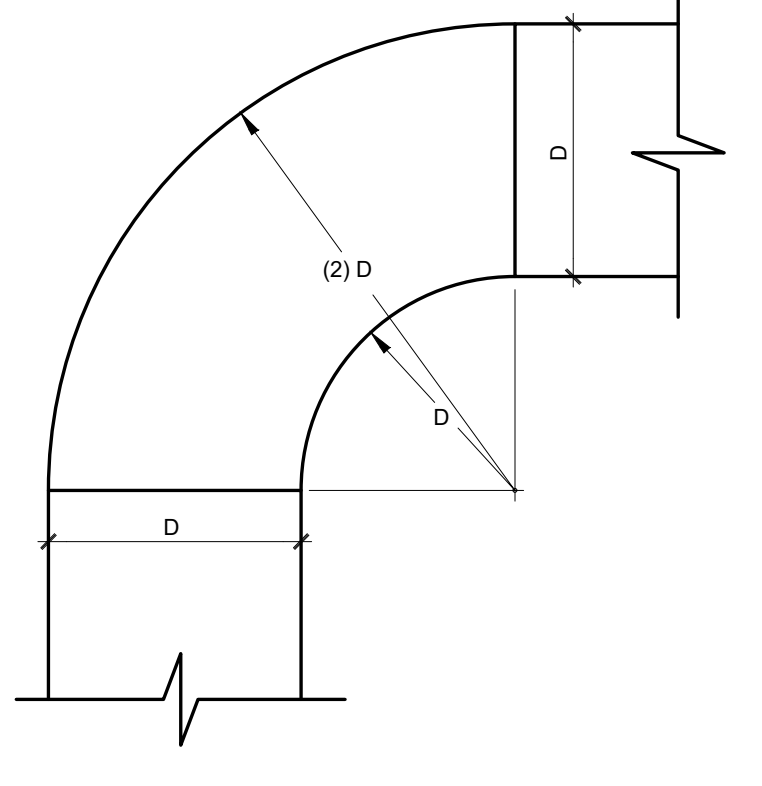
MECHANICAL EXHAUST DUCT DETAIL (01)
NOT TO SCALE

EQUIPMENT SHALL BE FASTENED AND CURBS PERMANENTLY AFFIXED. FINAL INSTALLATION SHALL BE SUITABLE FOR WIND LOADS AT SITE. REQUIREMENTS SHALL BE REVIEWED AND APPROVED BY LICENSED PROFESSIONAL ENGINEER. REFER TO STRUCTURAL FRAMING DETAILS AND/OR STRUCTURAL REVIEW LETTER FOR ROOF CURB STRUCTURAL FRAMING DETAILS.

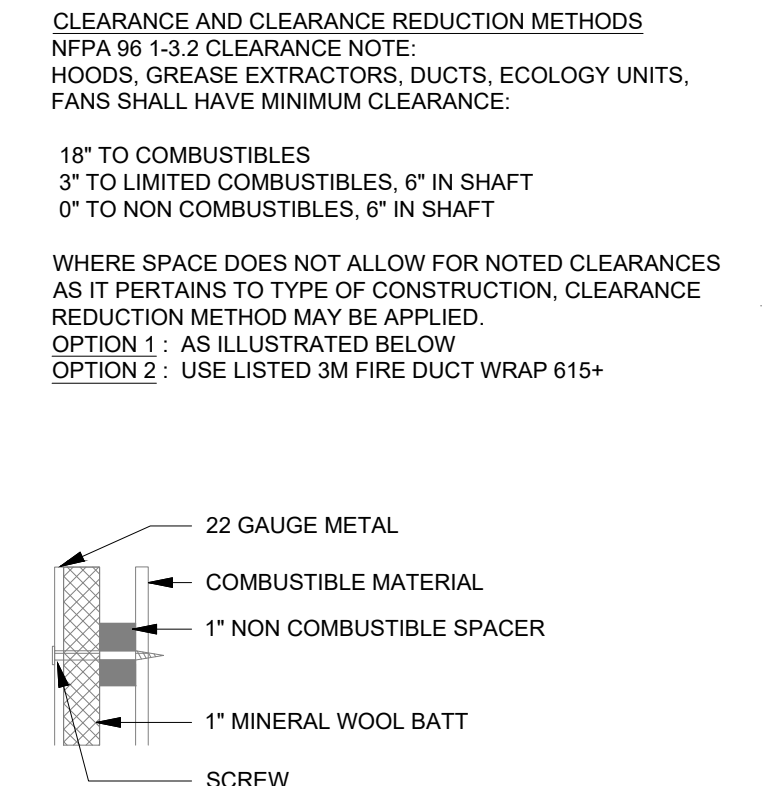
INSTALLATION OF KITCHEN EXHAUST FANS SHALL PROVIDE 18 INCHES CLEAR OF FAN AND FAN BASE TO COMBUSTIBLE MATERIALS INCLUDING ROOF MEMBRANE MATERIAL ALONG BASE OF CURB. FAN DISCHARGE ELEVATION SHALL BE MINIMUM 40 INCHES ABOVE ADJACENT ROOF. DISCHARGE SHALL BE 60 INCHES CLEAR OF ADJACENT PARAPET IF FAN DISCHARGE IS BELOW PARAPET HEIGHT. DISCHARGE SHALL BE TEN FEET FROM ADJACENT BUILDING.



EXHAUST FAN AND RTU CURB DETAIL (08)
NOT TO SCALE



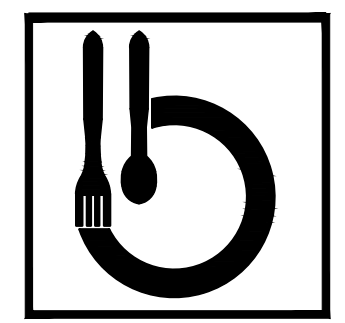
RADIUS ELBOW (04)
NOT TO SCALE



CLEARANCE AND CLEARANCE REDUCTION METHODS (04)
NOT TO SCALE

SITE NUMBER: 13952
BASE MODEL: GLOBAL NEXT GEN
ASSET TYPE: FRANCHISE
CLASSIFICATION: NRO
OWNER: BRIDGEMAN FOODS II, INC.
BASE VERSION: NEXT GEN 30
UPGRADE CLASSIFICATION: FRAN NEW BASE
PROJECT YEAR: 2023
FURNITURE PACKAGE: NEXTGEN 30
DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



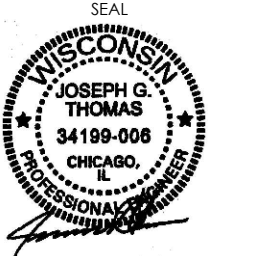
Bridgeman Foods II, Inc.

3309 Collins Lane
Louisville, Kentucky 40245
phone (502) 254-7130
jrawlings@bfccompanies.com

Wendy's
COMMONS CIRCLE
Plover, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
ISSUE DATE: 02/10/23
DRAWN BY: BH
CHECKED BY: SK



Signature: [Signature]
Date: 02/10/2023
Expiration Date: 07/31/2024

SHEET NAME: HVAC DETAILS
SHEET NUMBER: M2.0

M2.0

1/22/2017 4:11:32 PM

FAN SCHEDULE											
MARK	AIRFLOW (CFM)	STATIC PRESSURE (IN. WG.)	MOTOR HORSEPOWER (HP)	ELECTRICAL (VOLTAGE / PHASE)	ACCESSORIES					MODEL	REMARKS
					BACKDRAFT DAMPER	BIRD SCREEN	DISCONNECT SWITCH	SPEED CONTROL	DIRECT DRIVE		
EF-1	1200	1.25	0.75	208/1			X	X	X	DJH5HFA	FOR REFERENCE ONLY. REFER TO CAPTIVEAIRE DRAWINGS FOR MORE INFO.
EF-2	1500	1.25	0.75	208/1			X	X	X	DJH5HFA	FOR REFERENCE ONLY. REFER TO CAPTIVEAIRE DRAWINGS FOR MORE INFO.
EF-3	300	0.34	0.166	115/1	X	X	X	X	X	DR10HFA	FOR REFERENCE ONLY. REFER TO CAPTIVEAIRE DRAWINGS FOR MORE INFO.

ROOFTOP UNIT SCHEDULE													HVAC SYSTEM DESIGN: OUTSIDE AIR TEMPERATURE: 80°F SUMMER, -9°F WINTER			
MANUFACTURER	UNIT	MODEL NO.	TONS	S/A FAN			VOLT	HEATING INPUT	HEATING OUTPUT	COOLING OUTPUT	MOCP	IEER	OA CFM	NOTES		
				HP	CFM	ESP										
CAPTIVEAIRE	RTU-1	CASRTU2-1.150-18-10T	10	3	3000	0.8	208	123 MBH	100 MBH	116.4 MBH	70A	18.6	900	FOR REFERENCE ONLY. REFER TO CAPTIVEAIRE DRAWINGS FOR MORE INFO.		
CAPTIVEAIRE	RTU-2	CASRTU2-1.300-15-10T	12	2	2200	0.8	208	284 MBH	229 MBH	144 MBH	60A	18.6	2200	FOR REFERENCE ONLY. REFER TO CAPTIVEAIRE DRAWINGS FOR MORE INFO.		

AIR DEVICE SCHEDULE

DIFFUSER MARK	NECK SIZE	FACE SIZE	TYPE			ACCESSORY			MOUNT		PATTERN	DUTY			TITUS MODEL NO.	PRICE MOEL NO.	NOTES
			DIFFUSER	REGISTER	GRILLE	OBD	STR	TRM	LAY-IN	SURFACE		SUPPLY	RETURN	EXHAUST			
RG-1	22"X22"	24"X24"		X						X	PERFORATED		X		PAR-AA	APDDR	1,2
RG-2	8"	12"X12"		X		X	X				PERFORATED			X	PAR-AA	APDDR	1,2 DRYWALL CEILING MOUNT EXHAUST
RG-3	36"X20"	36"X20"			X	X	X				NONE		X		350RL	530L	1 DINING RETURN
SD-1	10"	22"	X												TMR-AA	ARCD	1 DINING SUPPLY
SD-2	22"X22"	24"X24"	X						X		PERFORATED	X			PAR-AA	APDDR	1,3,4 CEILING MOUNTED HOOD SUPPLY DUMP BOX
SD-3	PER PLAN	24"X24"	X						X		4 WAY	X			PAS-AA	APDN	1,2
SD-4	PER PLAN	12"X12"	X							X	4 WAY	X			PAS-AA	APDN	1,2 DRYWALL CEILING MOUNTED SUPPLY

ACCESSORY NOTE: OBD-OPPOSED BLADE DAMPER, STR-SQUARE TO ROUND TRANSITION, TRM- RAPID MOUNT SHEETROCK FRAME

AIR DEVICE SCHEDULE NOTES

- WHITE
- ROUND NECK
- SUPPLY DIFFUSERS AT HOOD LOCATION USE SHOP OR FIELD FABRICATED DUMP BOXES, WHICH CONSIST OF PERFORATED DIFFUSER WITH NO PATTERN CONTROLLERS, AND SQUARE PLENUM BOX THAT CAN ACCEPT ROUND DUCT CONNECTION. 4 WAY DIFFUSERS ARE PROHIBITED AROUND THE HOODS.
- REFER TO DUMP BOX DETAIL ON DRAWING M2.0.

COMMERCIAL KITCHEN NOTES

HVAC, FIRE PROTECTION AND PLUMBING

NEW EQUIPMENT, PIPING, ETC. SHALL BE INSPECTED AND LOCATED BEFORE AND AFTER NEW CONSTRUCTION. DETAILS OF PERFORMANCE/CONDITIONSIZING AND LOCATION SHALL BE SUPPLIED TO ENGINEER AND OWNER. AIR CAPACITIES FOR SUPPLY AND EXHAUST SYSTEMS SHALL BE MEASURED AT GRILLES TO DETERMINE IF DESIGN AIR FLOW RATES NOTED ON PLANS CAN BE MET. EXTRA WORK REQUIRED TO ABOVE MENTIONED SHALL BE DETERMINED PRIOR TO NEW CONSTRUCTION. CONTRACTOR TO ALLOW FOR INSPECTION IN THEIR PRICE INCLUDING WELD INSPECTIONS, AIR FLOW RATE MEASUREMENT, SCANNING AND CAMERA SCOPE TO EXISTING BURIED DRAINS. NO EXTRAS SHALL BE ALLOWED ONCE NEW CONSTRUCTION STARTS.

CONTRACTOR SHALL OBTAIN LATEST SPREAD SHEETS/SHOP DRAWINGS FROM KITCHEN CONSULTANT FOR APPLIANCE AND HVAC REQUIREMENTS PRIOR TO ROUGH-IN WORK.

CONTRACTOR SHALL PROVIDE WIRING AND CONTROLS AS NOTED ON WIRING NOTES IN EQUIPMENT SCHEDULE.

CONTRACTOR SHALL:

- CONSTRUCT ENTIRE KITCHEN HOOD EXHAUST SYSTEM TO NFPA 96 STANDARDS.
- REFER TO ARCHITECTURAL AND/OR INTERIOR DESIGN DRAWINGS FOR HOOD LOCATION AND APPROVED KITCHEN HOOD SHOP DRAWINGS FOR EXACT LOCATION OF EXHAUST DUCT CONNECTIONS.
- REFER TO LATEST KITCHEN EQUIPMENT DRAWINGS AND APPROVED SHOP DRAWINGS FOR FINAL GAS, PLUMBING AND DRAINAGE HOOK UP SIZES AND LOCATIONS. CONTRACTOR TO REFER TO MANUFACTURERS INSTALLATION MANUALS AND RECOMMENDATIONS AND PROVIDE NECESSARY EQUIPMENT, VALVES, PIPING, ETC. TO SUIT. EXACT LOCATION OF EQUIPMENT ROUGHINS SHALL BE DETERMINED AT SITE. CHANGES TO KITCHEN EQUIPMENT LINE UP MUST BE REPORTED TO ENGINEER, FOOD SERVICES VENDOR, AND ARCHITECT PRIOR TO INSTALLATION.
- USE ONLY APPROVED CAPTIVEAIRE FAN AND HOOD PACKAGE.
- ROOF MOUNTED FANS SHALL BE ACCESSIBLE ON SIDES ACCESSIBLE WITHOUT LADDER. REFER TO DETAILS.

ANSUL NOTES

THIS INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH R-102 INSTALLATION MANUAL AND IN ACCORDANCE WITH STATE AND LOCAL CODES. WIRE ROPE FOR DETECTOR AND REMOTE PULL STATION SHALL BE INSTALLED BY AN AUTHORIZED, FACTORY TRAINED DISTRIBUTOR OR SERVICE REPRESENTATIVE. THIS INSTALLATION SHALL BE INSPECTED, PUT INTO OPERATION AND CERTIFIED BY AN AUTHORIZED, FACTORY TRAINED DISTRIBUTOR OR SERVICE REPRESENTATIVE. ELECTRICAL CONTACTS AND WIRING FOR APPLIANCE SHUT OFF SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. ANSUL R-102 RESTAURANT FIRE SUPPRESSION SYSTEMS HAVE BEEN TESTED AND ARE LISTED BY UNDERWRITERS' LABORATORIES INC. AS PRE-ENGINEERED SYSTEMS. SHALL COMPLY WITH RELEVANT ANSUL INSTALLATION RECHARGE INSPECTION AND MAINTENANCE MANUALS. SHALL COMPLY WITH NFPA 96 WHEN INSTALLED AND CERTIFIED BY AUTHORIZED TRAINED ANSUL DISTRIBUTORS. AGENT DISTRIBUTION PIPING AND DETECTION CONDUIT HOOD PENETRATIONS SHALL BE PROPERLY SEALED IN ACCORDANCE WITH NFPA 96.

SYMBOLS & ABBREVIATIONS LEGEND

Ⓧ	THERMOSTAT	AFF	ABOVE FINISHED FLOOR
Ⓢ	TEMPERATURE/HUMIDITY SENSOR	AHJ	AUTHORITY HAVING JURISDICTION
RT	REMOTE TEST STATION	CFM	CUBIC FEET PER MINUTE
Ⓜ	DUCT SMOKE DETECTOR	EA	EXHAUST AIR
Ⓛ	SUPPLY DUCT	ESP	EXTERNAL STATIC PRESSURE
Ⓡ	RETURN DUCT	FCLC	FAN CONTROL LIGHTING CONTROL
Ⓢ	EXHAUST DUCT	HZ	FREQUENCY
Ⓜ	MANUAL BALANCE DAMPER	MOCP	MAXIMUM OVERCURRENT PROTECTION
Ⓜ		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
Ⓧ	SUPPLY DIFFUSER	NC	NOISE CRITERIA
Ⓡ	RETURN GRILLE	OA	OUTSIDE AIR
Ⓧ	EXHAUST GRILLE	OAU	OUTDOOR AIR UNIT
Ⓡ	DUMP BOX DIFFUSER	FTU	FAN TERMINAL UNIT
Ⓡ	SIDE WALL MOUNTED SUPPLY REGISTER	SA	SUPPLY AIR
		TYP	TYPICAL
		WC	WATER COLUMN

DUCTLESS SPLIT SCHEDULE

MANUFACTURER	UNIT	MODEL NO.	TONS	S/A FAN W CFM	VOLT	HEATING OUTPUT	COOLING OUTPUT (TOTAL)	COOLING OUTPUT (SENS.)	MCA	MOCP	SEER	NOTES	
MITSUBISHI	AC-1	MSZ-FS12NA	1.0	40	425	208/1/60	21 MBH	13.6 MBH	11.3 MBH	1.0	15	26.1	ALL AS APPLICABLE

UNITS ARE TO BE COMPLETE WITH THE FOLLOWING:

- PROVIDE CONDENSATE PUMP.
- INDOOR UNIT POWER PROVIDED FROM OUTDOOR UNIT.

DUCTLESS SPLIT CONDENSER SCHEDULE

MANUFACTURER	UNIT	MODEL NO.	TONS	VOLT	SUCTION TEMP. (F)	AMBIENT TEMP. (F)	MCA	MOCP	SEER	NOTES
MITSUBISHI	COND-1	MUZ-FS12NAH	1.0	208/1/60	45	95	10.0	15	26.1	ALL AS APPLICABLE

UNITS ARE TO BE COMPLETE WITH THE FOLLOWING:

- PROVIDE EQUIPMENT WITH SCRR GREATER THAN THE AVAILABLE FAULT CURRENT AT THE EQUIPMENT OR UPSTREAM PANELBOARD. REFER TO THE ELECTRICAL ONE LINE DIAGRAM AND PANEL SCHEDULES FOR AVAILABLE FAULT CURRENT AT UPSTREAM PANELBOARD.
- PROVIDE LOW AMBIENT CONTROL.
- PROVIDE HAIL GUARD.

UNIT HEATER SCHEDULE

MARK	ELECTRIC INPUT (KW)	ELECTRICAL (VOLTAGE/PHASE)	FAN MOTOR HORSEPOWER (HP)	MOCP (A)	ACCESSORIES		MODEL	REMARKS
					DISCONNECT SWITCH			
UH-1	3.3	208/1	1/125	20	X		TRANE - UHEC-032	1,2,3

1. UNIT HEATER TO BE MOUNTED OVERHEAD AT ENTRY. VERTICAL AIR DELIVERY MOUNT AT 10' AFF.

2. PAINT TO MATCH DINING ROOM DUCTWORK.

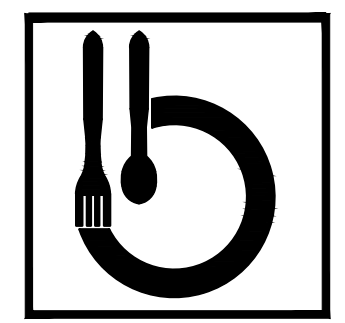
3. PROVIDE WITH UNIT-MOUNTED THERMOSTAT.

2019 ASHRAE STANDARD 62.1 TABLE 6-1

OCCUPANCY CATEGORY	PEOPLE OUTDOOR AIR RATE - (Rp)	AREA OUTDOOR AIR RATE - (Ra)	CODE ESTIMATED OCCUPANCY DENSITY	LARGEST NUMBER OF PEOPLE EXPECTED TO OCCUPY THE ZONE - (Pz)	Rp*Pz	Ra*Az	AREA - (Az)	ZONE AIR DISTRIBUTION EFFECTIVENESS - (Ez)	BREATHING ZONE OUTDOOR AIRFLOW - (Vbz)	ZONE PRIMARY AIRFLOW (Vpz)	PRIMARY OUTDOOR AIR FRACTION (Zp)	DIVERSITY RATIO (D)	UNCORRECTED OUTDOOR AIR INTAKE (Vou)	SYSTEM VENTILATION EFFICIENCY	CORRECTED OUTDOOR AIRFLOW (Vot)	PROVIDED OUTDOOR AIRFLOW
	(CFM/PERSON)	(CFM/SQ.FT.)	P/1000 SQ.FT.				SQ.FT.		CFM		Zp = Vou/Vpz		Vou=D*RpPz+RaAz	Ev	CFM	CFM
RTU-1																
Dining	7.5	0.18	70	41	525	104	577	0.8	629	786	0.29		786		786	
Restroom	0	0	0	0	0	0	52	0.8	0	0	100	0.00	29		29	
Restroom	0	0	0	0	0	0	40	0.8	0	0	100	0.00	29		29	
Dry Storage	0	0.12	0	0	0	2	18	0.8	2	3	20	0.14	6		6	
Corridor	0	0.06	0	0	0	3	57	0.8	3	4	80	0.05	23		23	
SYSTEM POPULATION INCLUDING DIVERSITY (Ps) =					41						0.29	1.00	873	1.00	873	900
RTU-2																
Service	7.5	0.12	15	3	112.5	18	147	0.8	130	163	0.33		163		163	
Cookline/Prep	7.5	0.12	20	7	150	40	336	0.8	190	238	0.16		485		485	
Dry Storage	0	0.12	0	0	0	10	80	0.8	10	12	250	0.05	83		83	
SYSTEM POPULATION INCLUDING DIVERSITY (Ps) =					10						0.33	1.00	730	1.00	730	2200

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION: FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



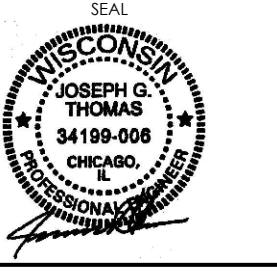
Bridgeman Foods II, Inc.

3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jdrawings@bfcpanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

DATE REMARK
 11/21/2022 REVISION "A"

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK



Signature: [Signature]
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME: MECHANICAL SCHEDULES

SHEET NUMBER: M3.0

1/22/2017 4:20:05 PM
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DOAS/RTU FAN SCHEDULE - JOB#5802573

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	FAN INFORMATION					ELECTRICAL INFORMATION					COOLING INFORMATION					REHEAT INFORMATION				GAS HEAT INFORMATION				NOTES								
					BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MDCP	OUTSIDE AIR DB	OUTSIDE AIR WB	MIXED AIR DB	MIXED AIR WB	LEAVING AIR DB	LEAVING AIR WB	DP	TOTAL	SENS.	ICEER	ISMRE	DISCHARGE DB		DISCHARGE WB	CAPACITY DESIRED	CAPACITY MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE
1	DAU-1 (KITCHEN)	1	CASRTU2-1.300-15-10T	CAPTIVEAIRE	15P-2	0	2200	2200	2055	0.800	2.00	3	208	57.1A	60A	80.1°F	74.8°F	80.1°F	74.8°F	54.7°F	54.7°F	54.8°F	144.0 MBH	58.2 MBH	18.6	4.3	70.0°F	61.1°F	36.4 MBH	96 MBH	78.7 LBS/HR	NATURAL	283588	229706	87°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17
2	RTU-1 (DINING)	1	CASRTU2-1.150-18-10T	CAPTIVEAIRE	18M-2-RTU	2100	900	3000	2027	0.800	3.00	3	208	61.9A	70A	80.1°F	74.8°F	76.5°F	66.2°F	52.9°F	52.9°F	53.0°F	116.4 MBH	73.6 MBH	18.6	4.3	70.0°F	59.5°F	55.6 MBH	96 MBH	39.4 LBS/HR	NATURAL	123457	100000	28°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18

NOTES:
 1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
 2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
 3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
 4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
 5. EC MOTOR CONDENSING FANS
 6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
 7. SUCTION LINE ACCUMULATOR
 8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
 9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
 10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
 11. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
 12. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
 13. FULLY MODULATING HDT GAS REHEAT
 14. HAIL GUARD FOR CONDENSING COIL
 15. RTU ECONOMIZER WITH FIXED ENTHALPY CONTROL
 16. BAROMETRIC RELIEF DAMPER
 17. DOWN DISCHARGE/DOWN RETURN

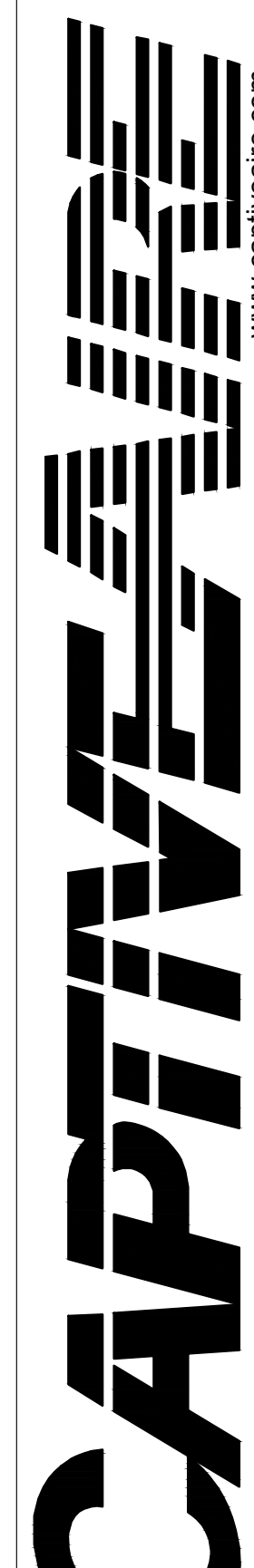
FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION		
1	DAU-1 (KITCHEN)	1	RTU HEATED FURNACE CONDENSATE DRAIN KIT. REQUIRED FOR WINTER DESIGN TEMP OF 0 DEGREES F AND LOWER		
		1	INLET PRESSURE GAUGE, 0-35"		
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE		
		1	RTU TOTAL CFM MONITORING		
		1	SHIP LOOSE GAS STRAINER 3/4"		
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, #M4, OR #E2 PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE		
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED		
		1	RTU2 DOWN DISCHARGE		
		1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)		
		1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)		
		1	OVERHEAT STAT		
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE		
		1	CONTROL PANEL ENCLOSURE HEATER - RECOMMENDED FOR WINTER DESIGN TEMPERATURES LESS THAN 0°F		
		1	10 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS		
		1	10 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL		
		1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR		
		1	RTU SIZE 2 INTAKE HOOD, SHIPPED LOOSE		
		1	RTU2 CURB DUCT HANGER		
		2	RTU-1 (DINING)	1	RTU HEATED FURNACE CONDENSATE DRAIN KIT. REQUIRED FOR WINTER DESIGN TEMP OF 0 DEGREES F AND LOWER
				1	INLET PRESSURE GAUGE, 0-35"
1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE				
1	RTU TOTAL CFM MONITORING				
1	SHIP LOOSE GAS STRAINER 3/4"				
1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, #M4, OR #E2 PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE				
1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED				
1	LDW AMBIENT COOLING OPERATION - DOWN TO OF AMBIENT				
1	RTU2 DOWN DISCHARGE				
1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)				
1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)				
1	OVERHEAT STAT				
1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE				
1	CONTROL PANEL ENCLOSURE HEATER - RECOMMENDED FOR WINTER DESIGN TEMPERATURES LESS THAN 0°F				
1	REMOTE TEMPERATURE AND HUMIDITY SPACE SENSOR				
1	RTU SIZE 2 INTAKE HOOD, SHIPPED LOOSE				
1	RTU2 CURB DUCT HANGER				
1	FREEZESTAT				
1	OCCUPIED SCHEDULING				
1	RTU2 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX				
1	RTU2 ECONOMIZER BAROMETRIC RELIEF				
1	RTU ECONOMIZER - FIXED ENTHALPY CONTROL				
1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI				
1	RTU2 HAIL GUARD				
1	RTU2 DOWN RETURN				
1	VAV PACKAGE W/ MANUAL/DDC CONTROL (S71 VFD INCLUDED)				
1	10 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS				
1	10 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL				
1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS				
1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)				

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	DAU-1 (KITCHEN)	125 LBS	CURB	49.500"W X 75.000"L X 24.000"H ALONG WIDTH, RIGHT INSULATED.
2	# 2	RTU-1 (DINING)	125 LBS	CURB	49.500"W X 75.000"L X 24.000"H ALONG WIDTH, RIGHT INSULATED.

REVISIONS	
DESCRIPTION	DATE



www.captiveaire.com
 reg60@captiveaire.com
 Florida National Accounts
 239 N Hunt Club Blvd., STE 201, Longwood, FL 32779 PHONE: (407) 682-3100 FAX: (919) 227-5913 EMAIL: reg60@captiveaire.com

Wendys Plover, WI - RTU Pkg R2
 PLOVER, WI, 54467

DATE: 1/26/2023
DWG.#: 5802573
DRAWN BY: REG60
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
 1

FOR QUESTIONS, CALL THE
 Florida National Accounts
 REGION 60
 PHONE: (407) 682-3100
 EMAIL: reg60@captiveaire.com

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION: FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfccompanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK



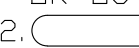
Signature: _____ Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME: CAPTIVEAIRE DRAWINGS

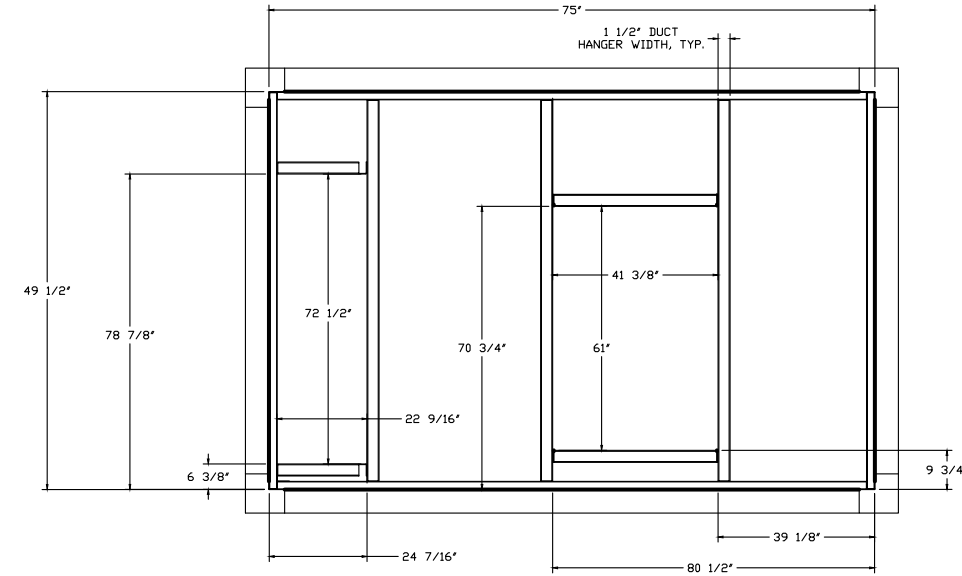
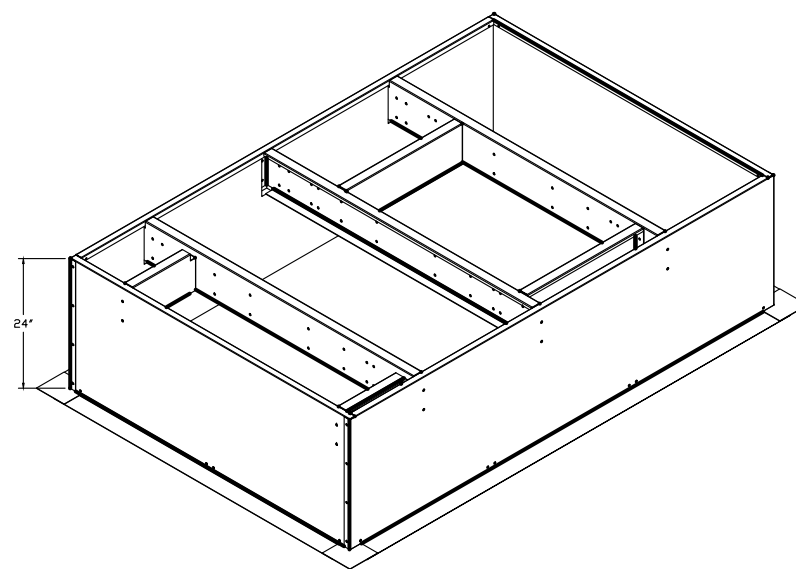
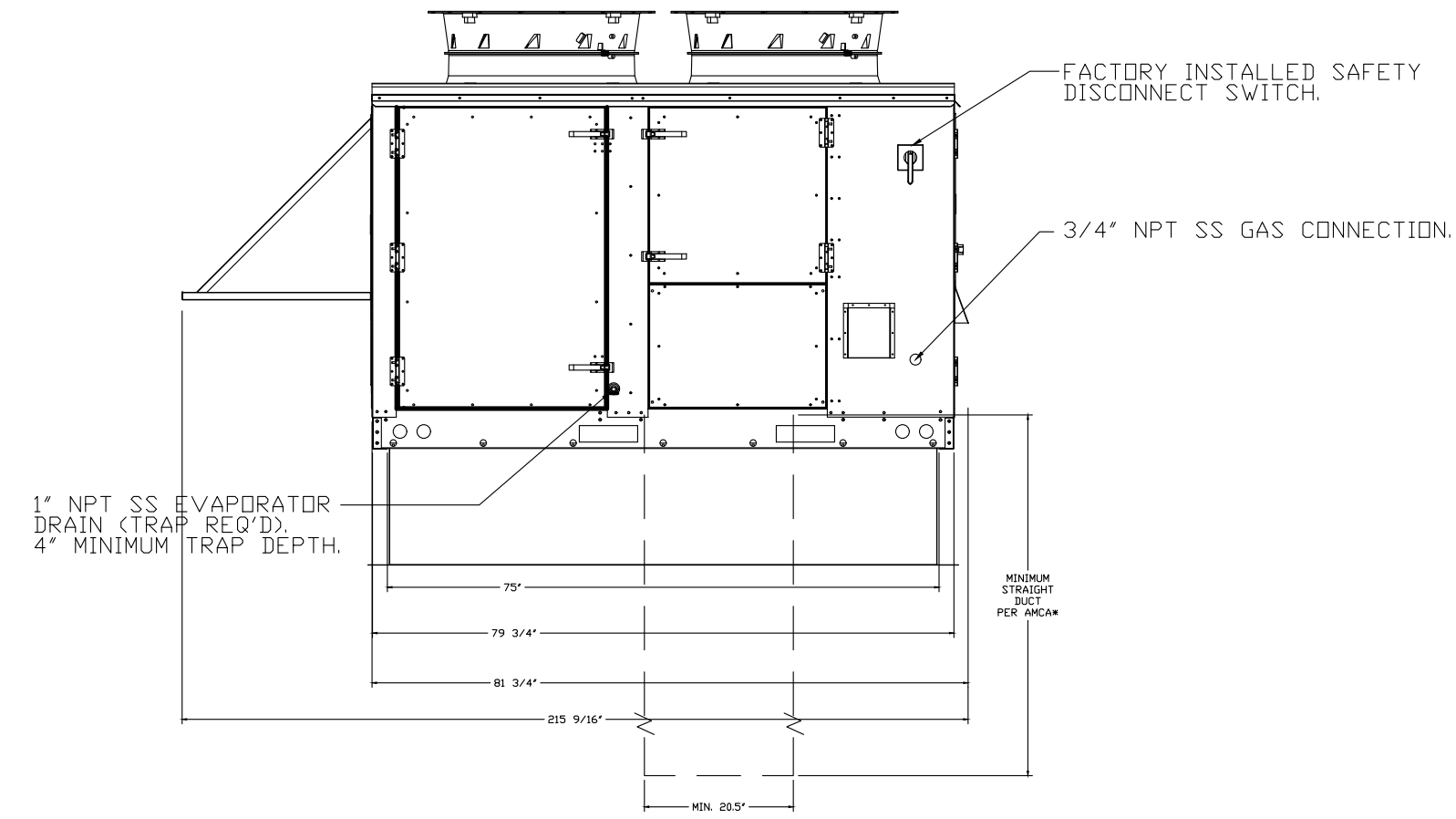
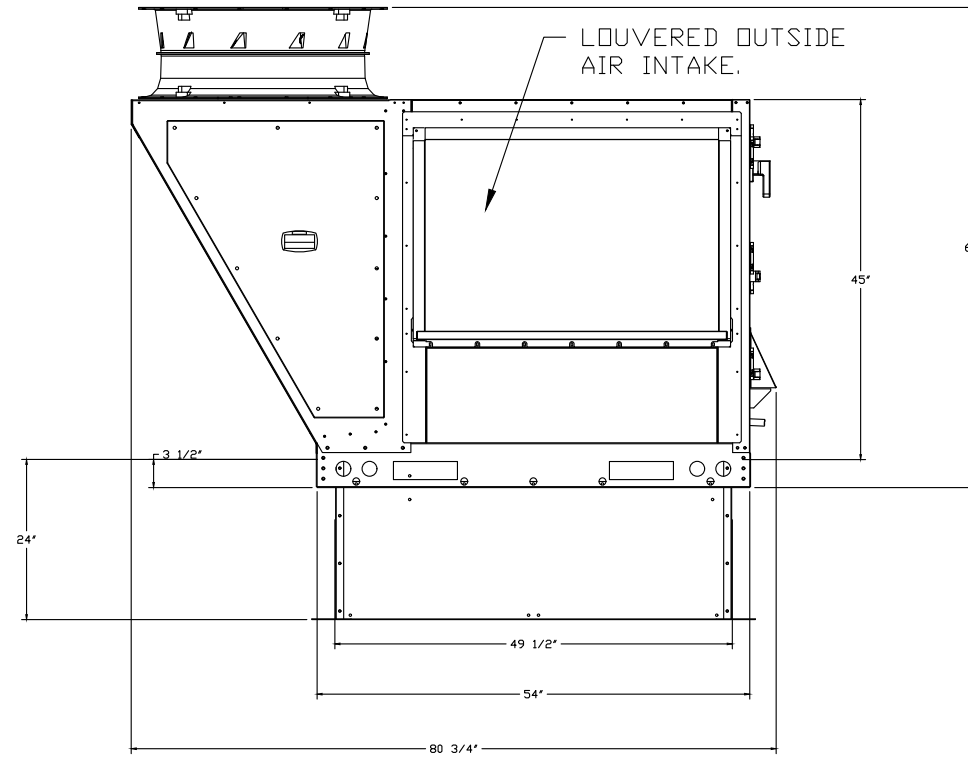
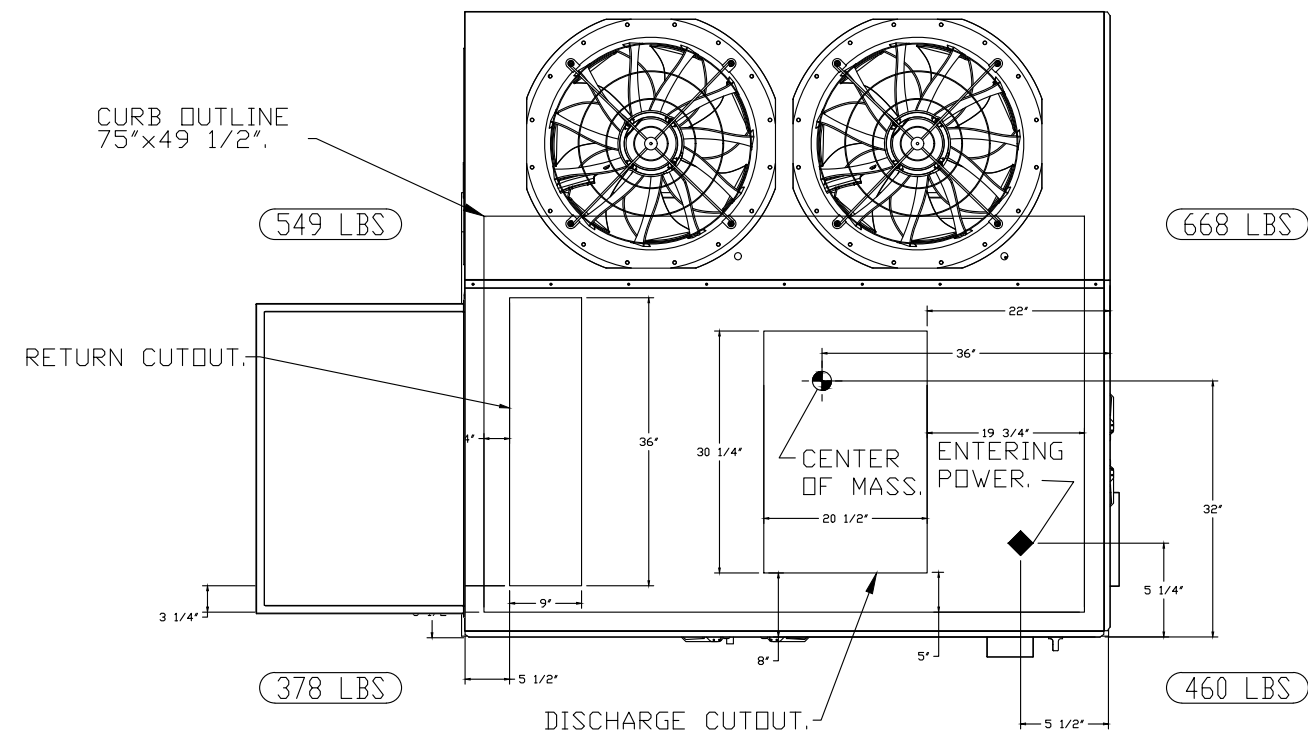
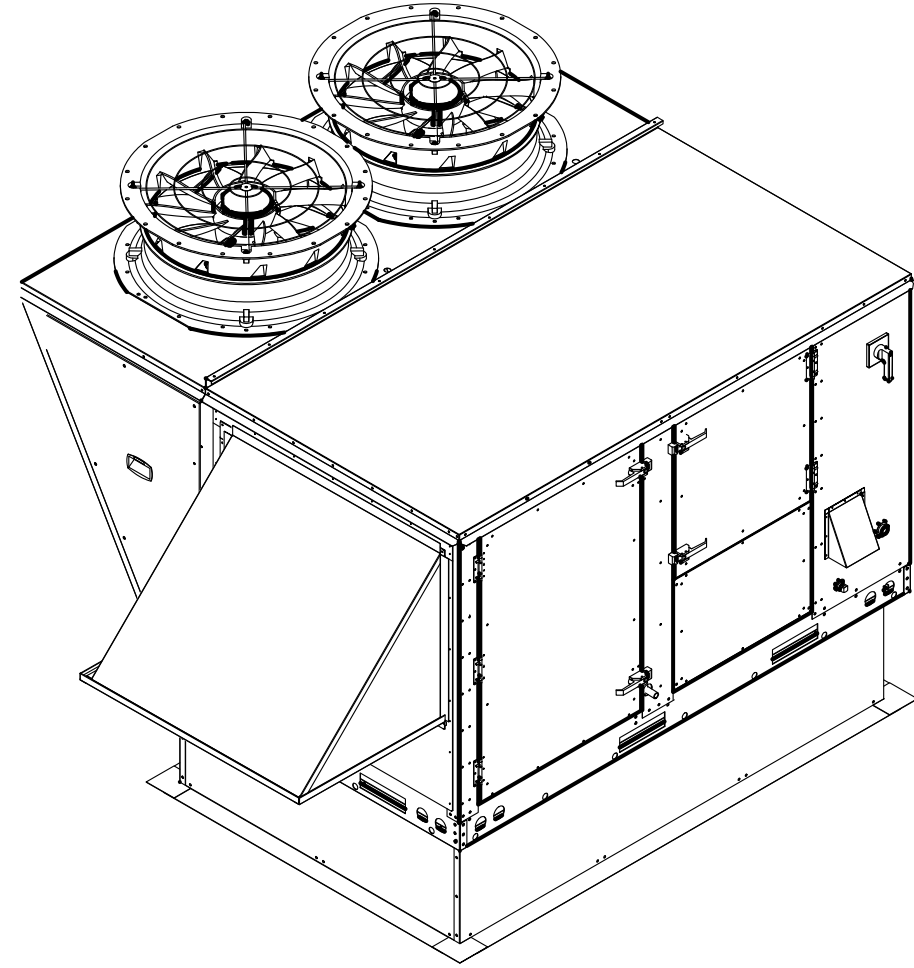
SHEET NUMBER: M5.0

FAN #1 CASRTU2-1300-15-10T - HEATER (DAU-1 (KITCHEN))

NOTES:


- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
-  DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20.5" x 30.25".

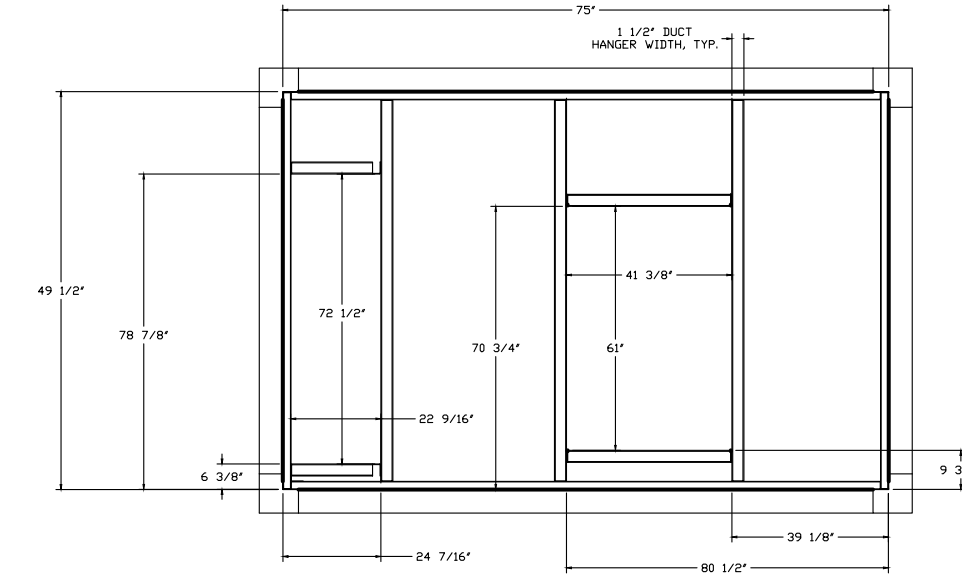
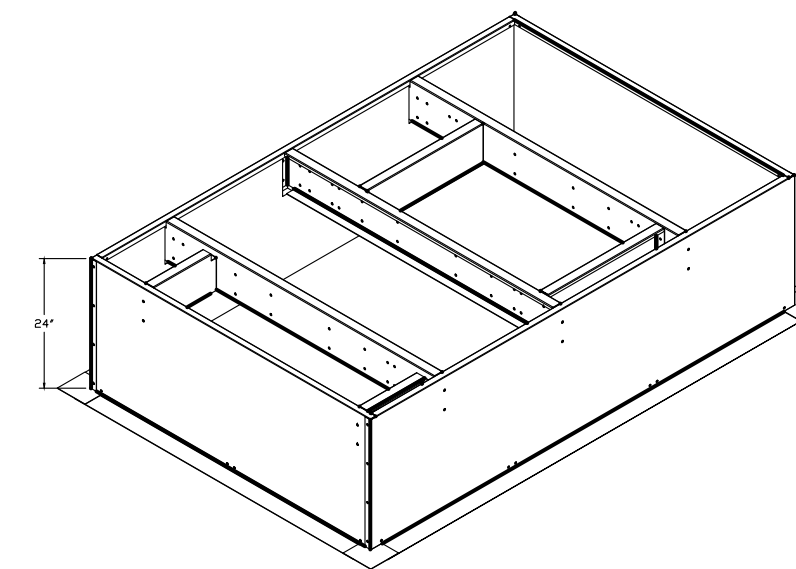
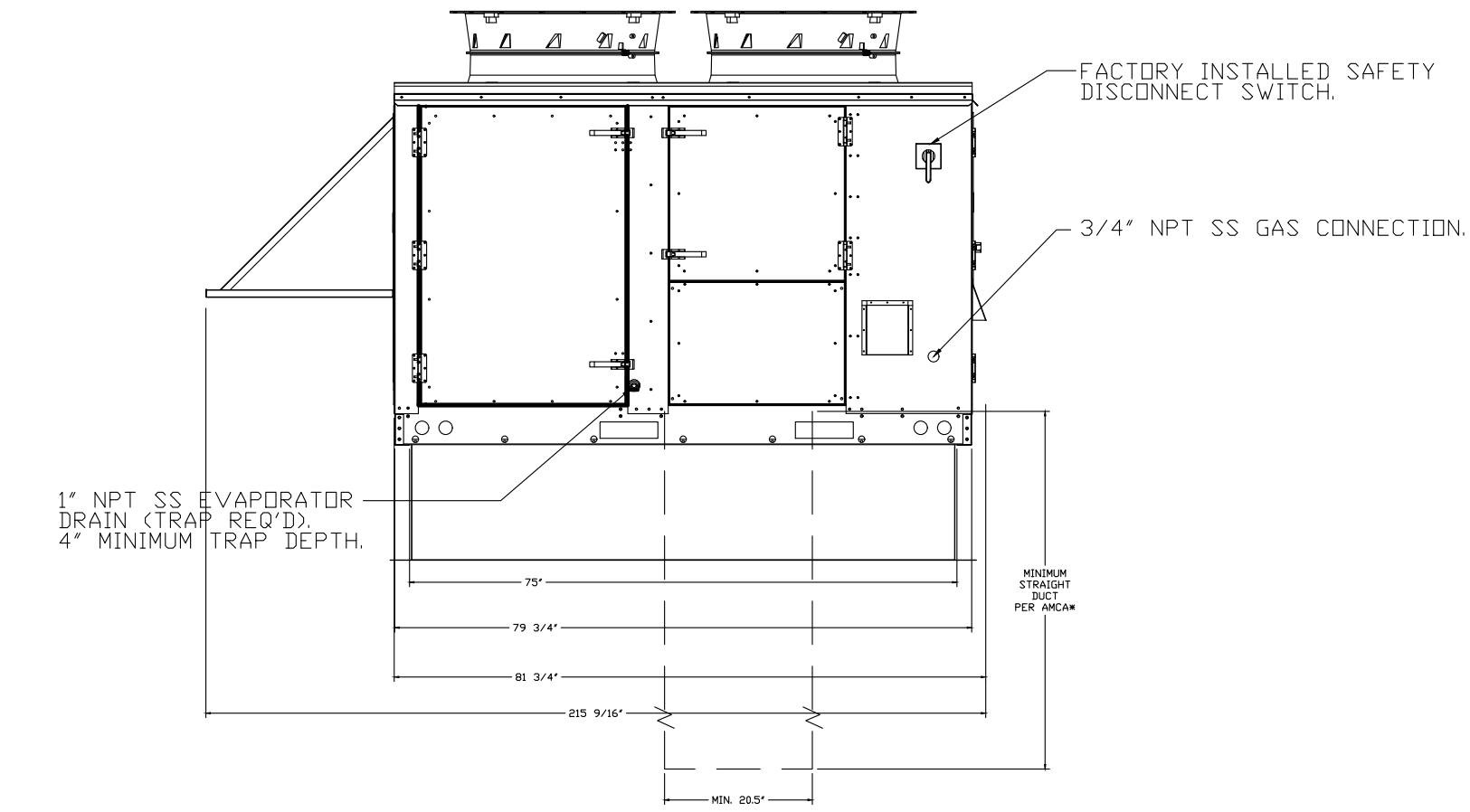
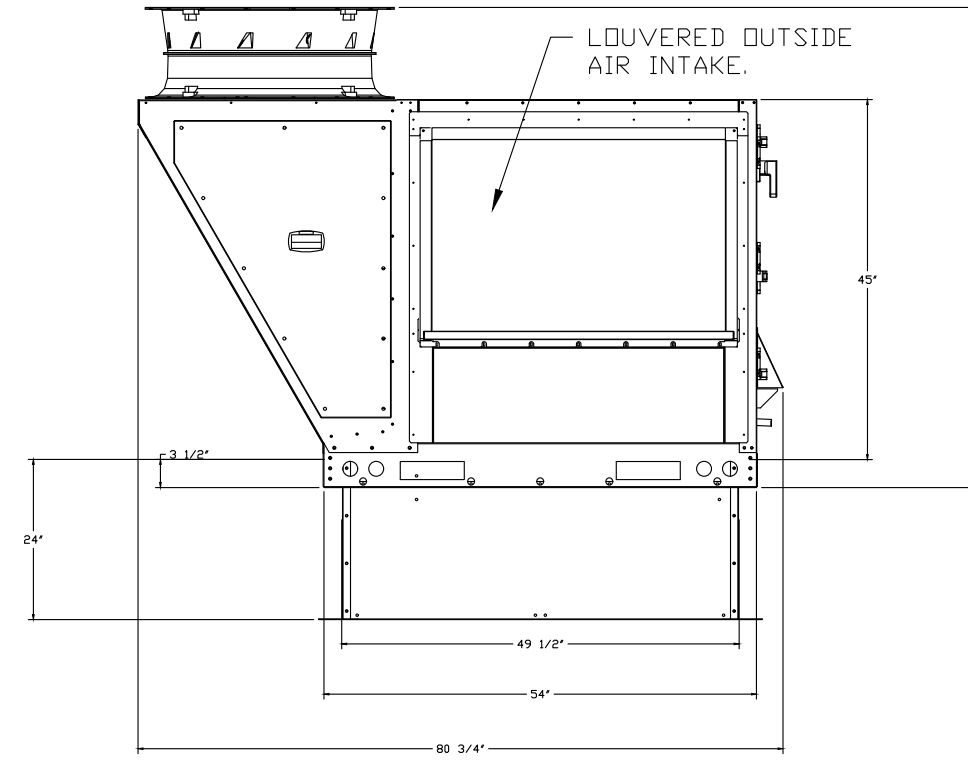
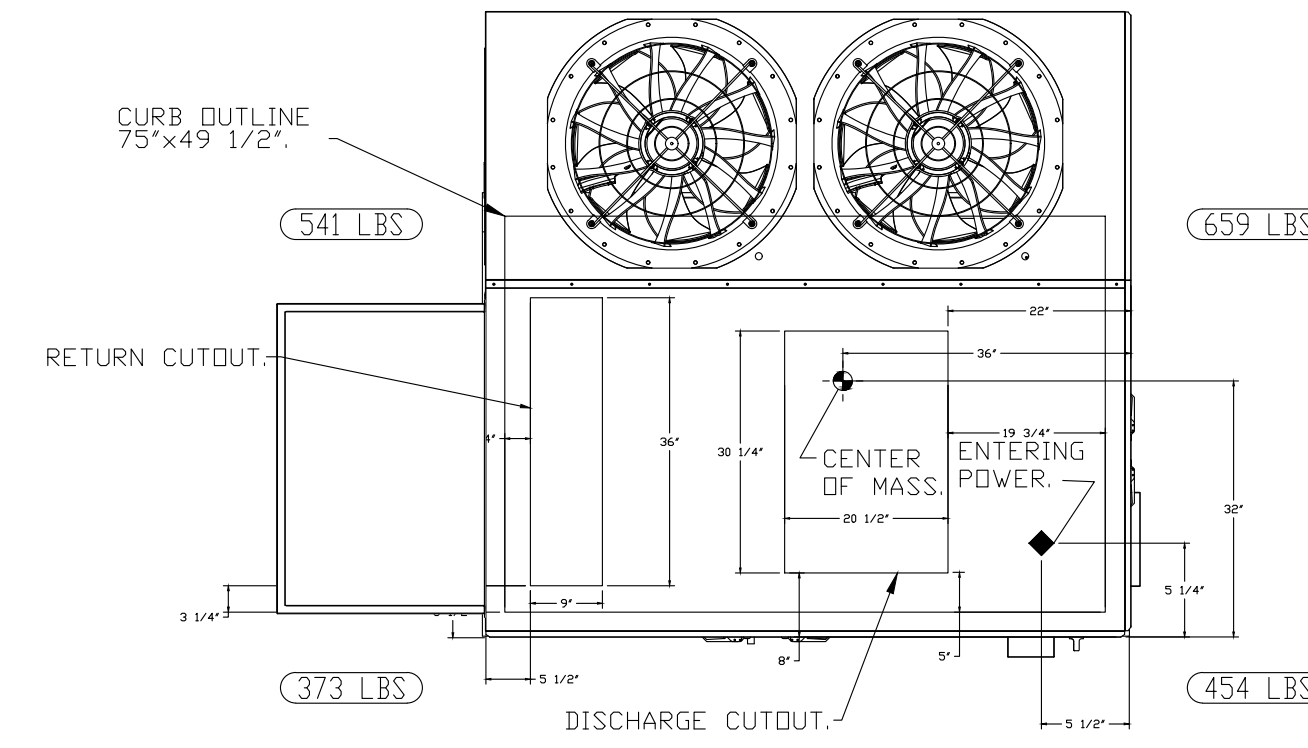
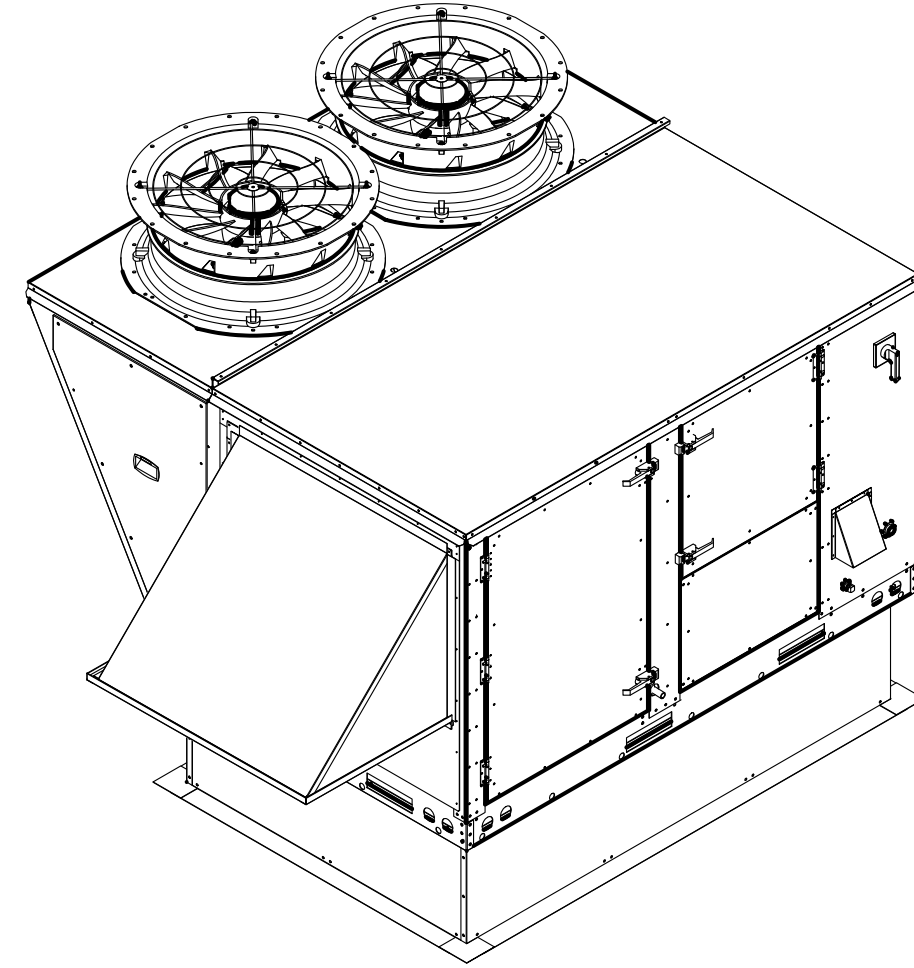


FAN #2 CASRTU2-1150-18MF-10T - HEATER (RTU-1 (DINING))

NOTES:

- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
-  DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20.5" x 30.25".



REVISIONS	
DESCRIPTION	DATE

CAPTIVEAIRE
 Florida National Accounts
 www.captiveaire.com
 239 N Hunt Club Blvd., STE 201, Longwood, FL 32779 PHONE: (407) 682-3100 FAX: (407) 227-5913 EMAIL: reg60@captiveaire.com

Wendys Plover, WI - RTU Pkg R2
 PLOVER, WI, 54467

DATE: 1/26/2023
 DWG.#: 5802573
 DRAWN BY: REG60
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING

SHEET NO. 2

SITE NUMBER:	13952
BASE MODEL:	GLOBAL NEXT GEN
ASSET TYPE:	FRANCHISE
CLASSIFICATION:	NRO
OWNER:	BRIDGEMAN FOODS II, INC.
BASE VERSION:	NEXT GEN 30
UPGRADE CLASSIFICATION:	FRAN NEW BASE
PROJECT YEAR:	2023
FURNITURE PACKAGE:	NEXTGEN 30
DESIGN BULLETINS:	DB 2022-07

PROJECT TYPE: NRO



3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfccompanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK

Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME: CAPTIVEAIRE DRAWINGS

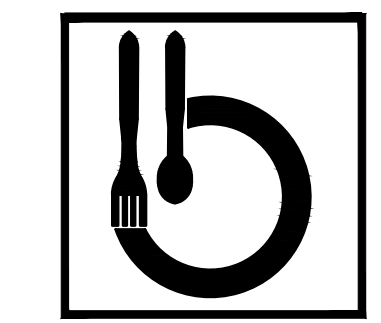
SHEET NUMBER

M5.1

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
 FRAN NEW BASE

PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXT GEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE:
 NRO



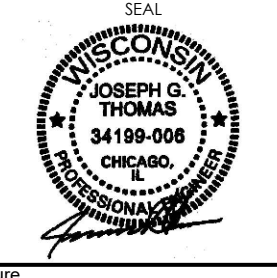
Bridgeman Foods II, Inc.

3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfccompanies.com

Wendy's.
 COMMONS CIRCLE
 PLOVER, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK



Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME
 CAPTIVEAIRE
 DRAWINGS

SHEET NUMBER

M5.2

REVISIONS	
DESCRIPTION	DATE

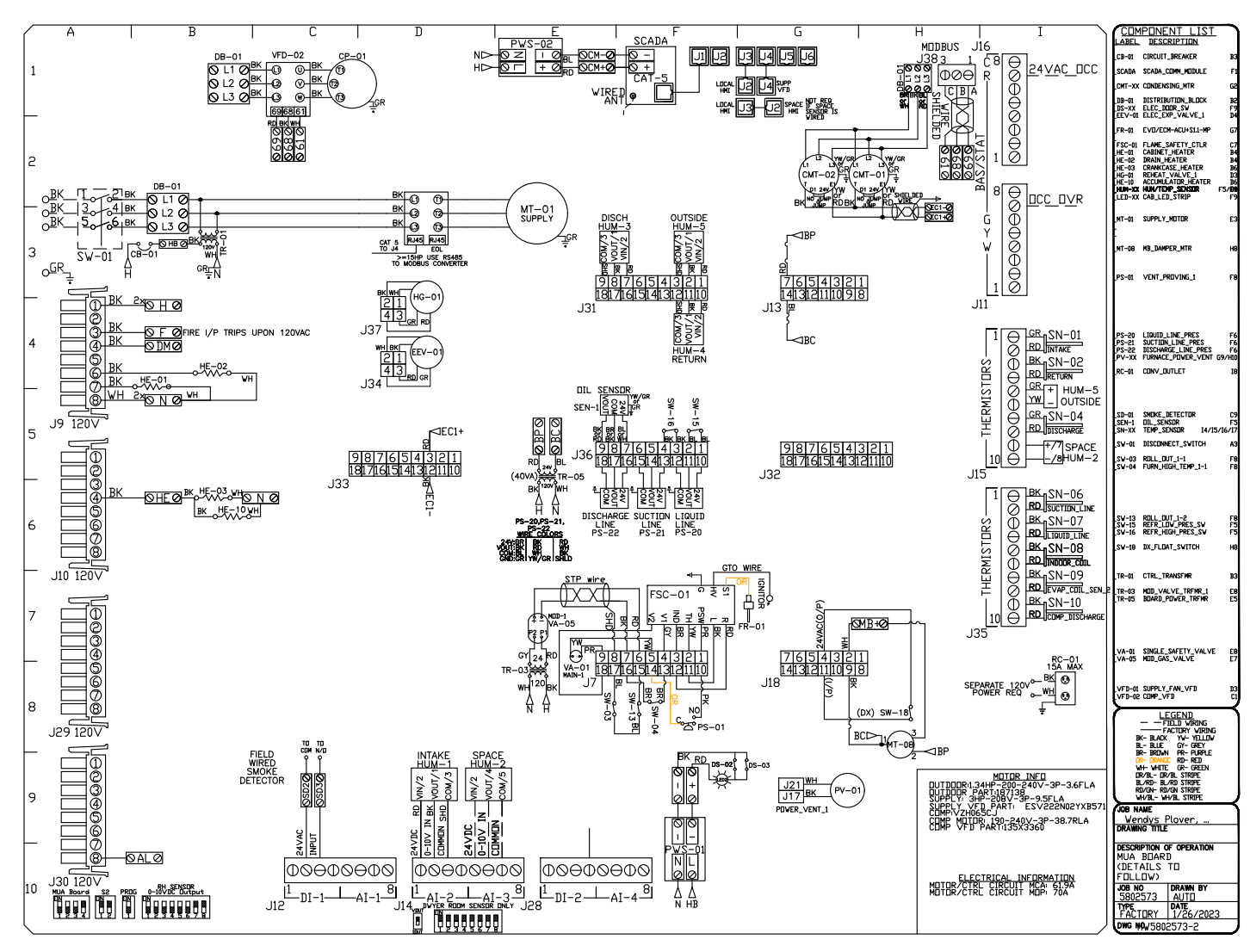
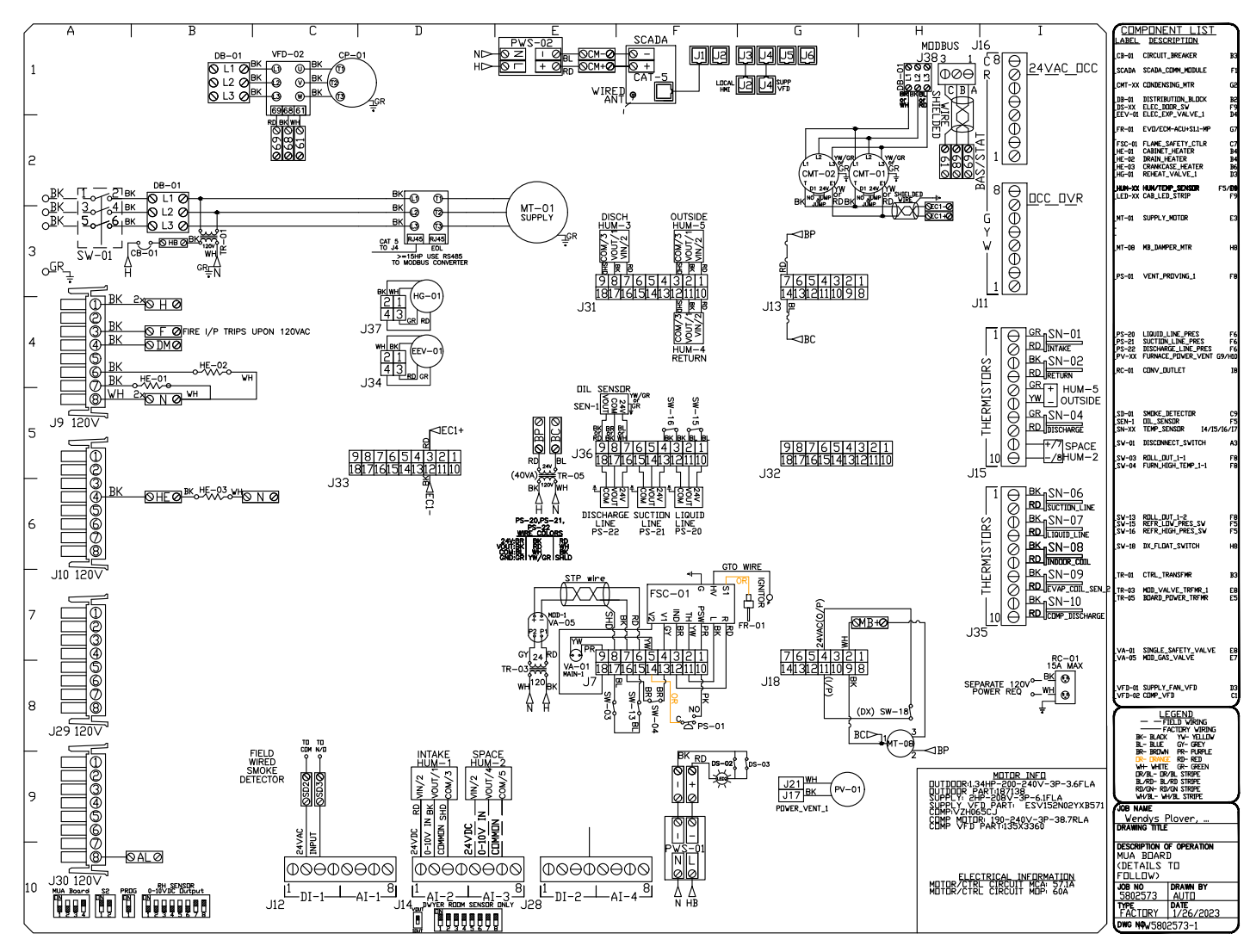
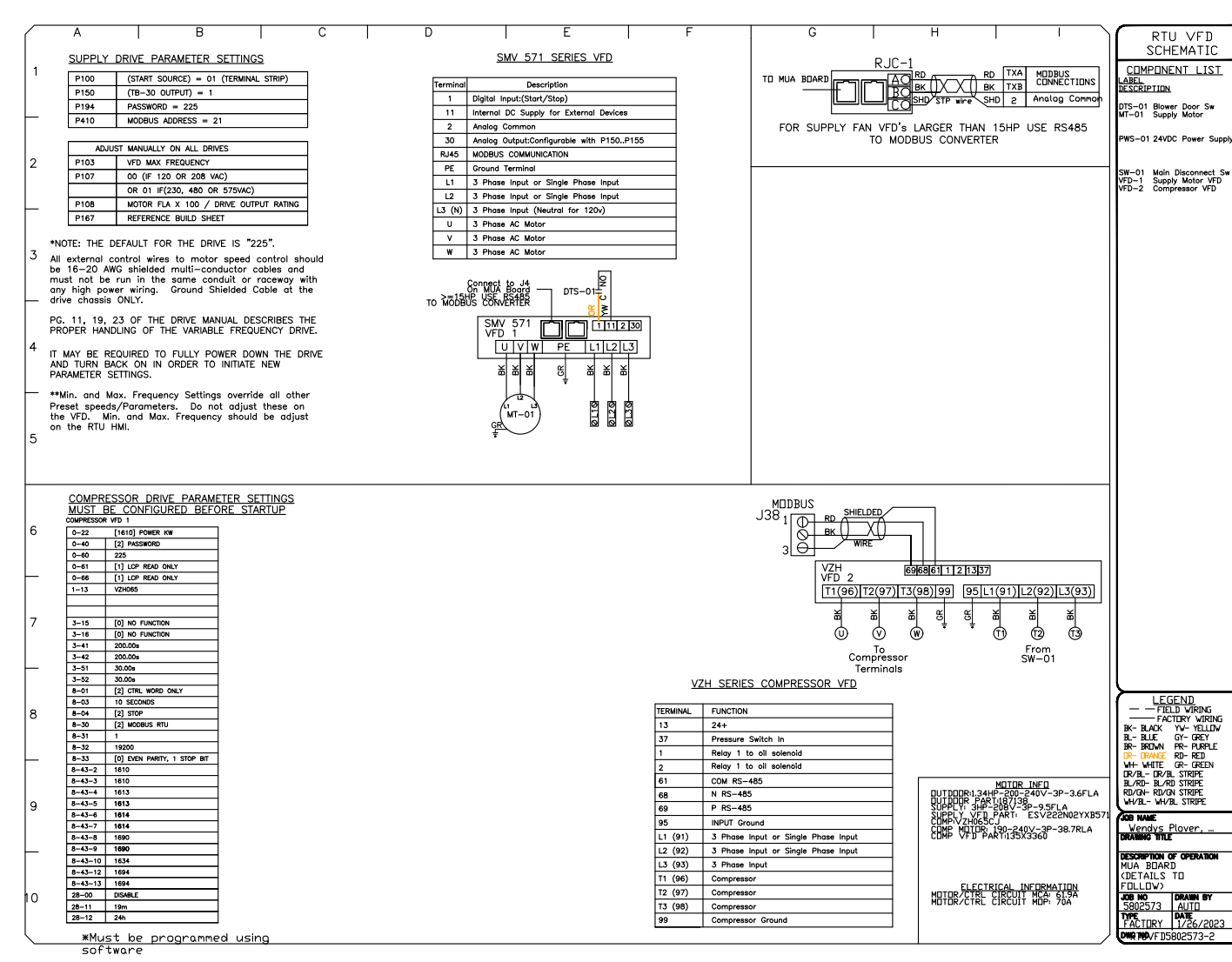
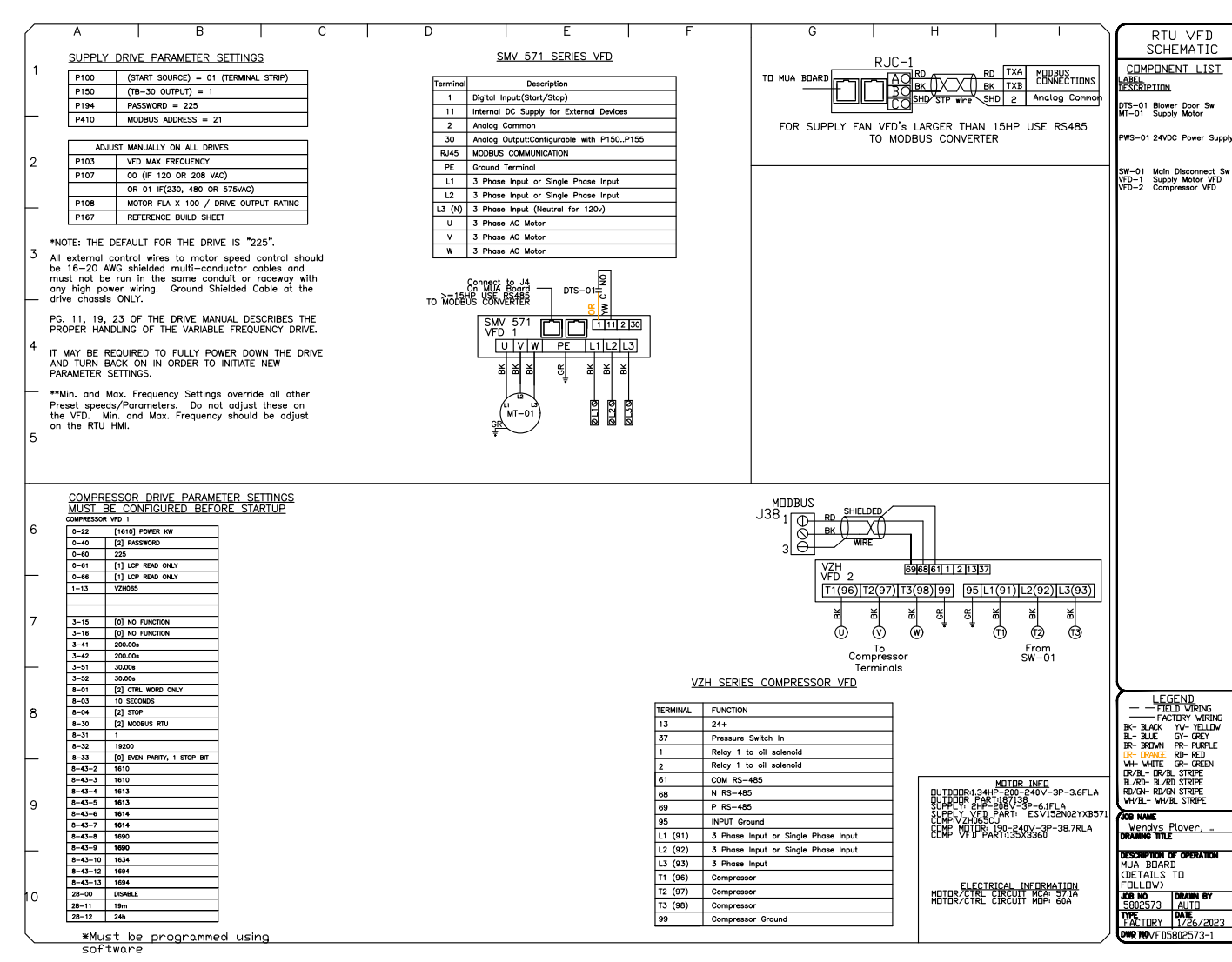
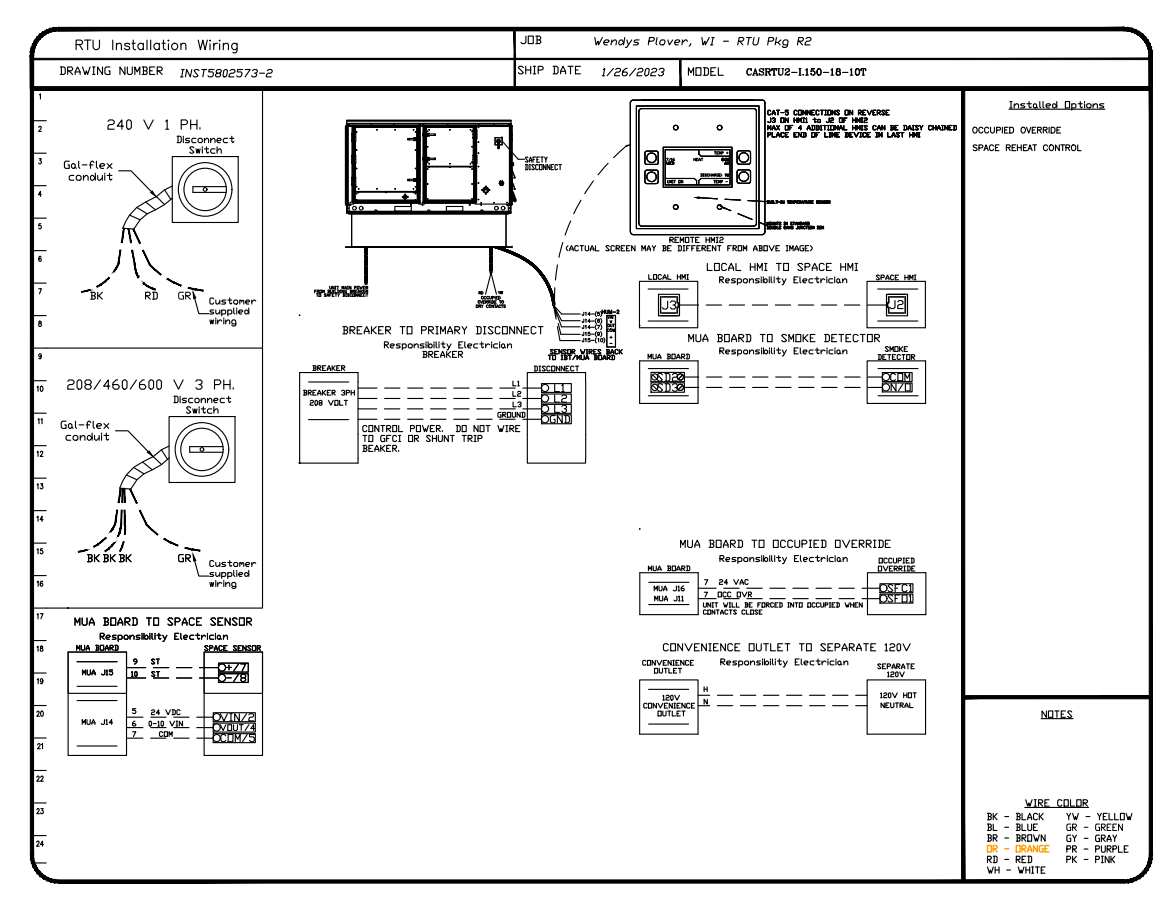
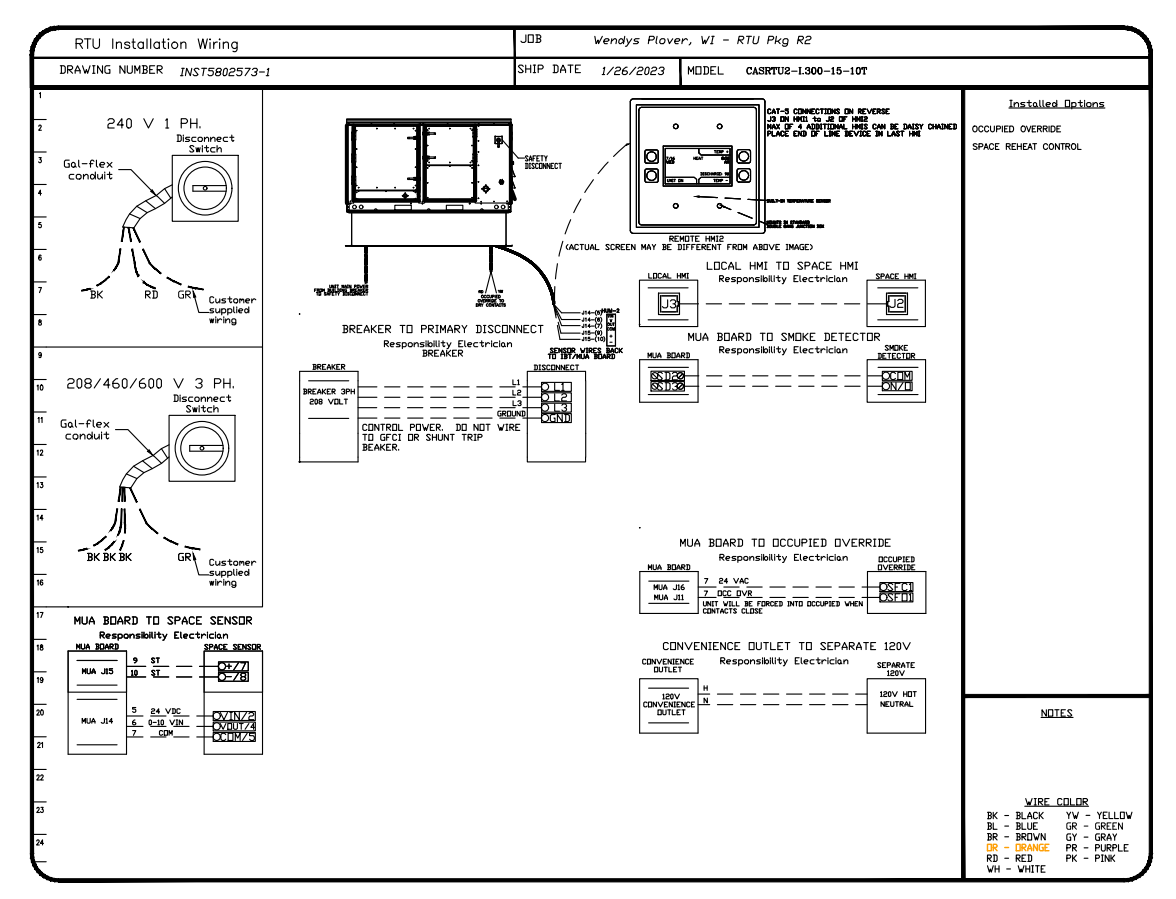
CAPTIVEAIRE

Florida National Accounts
 www.captiveaire.com
 reg00@captiveaire.com
 (919) 221-5913 EMAIL: reg00@captiveaire.com
 (407) 682-3100 FAX: 32779 PHONE: 239 N Hunt Club Blvd., STE 201, Longwood, FL

Wendys Plover, WI - RTU Pkg R2
 PLOVER, WI, 54467

DATE: 1/26/2023
 DWG.#: 5802573
 DRAWN BY: REG60
 SCALE: 1/2" = 1'-0"
 MASTER DRAWING

SHEET NO.
 3



HOOD INFORMATION - JOB#5800852

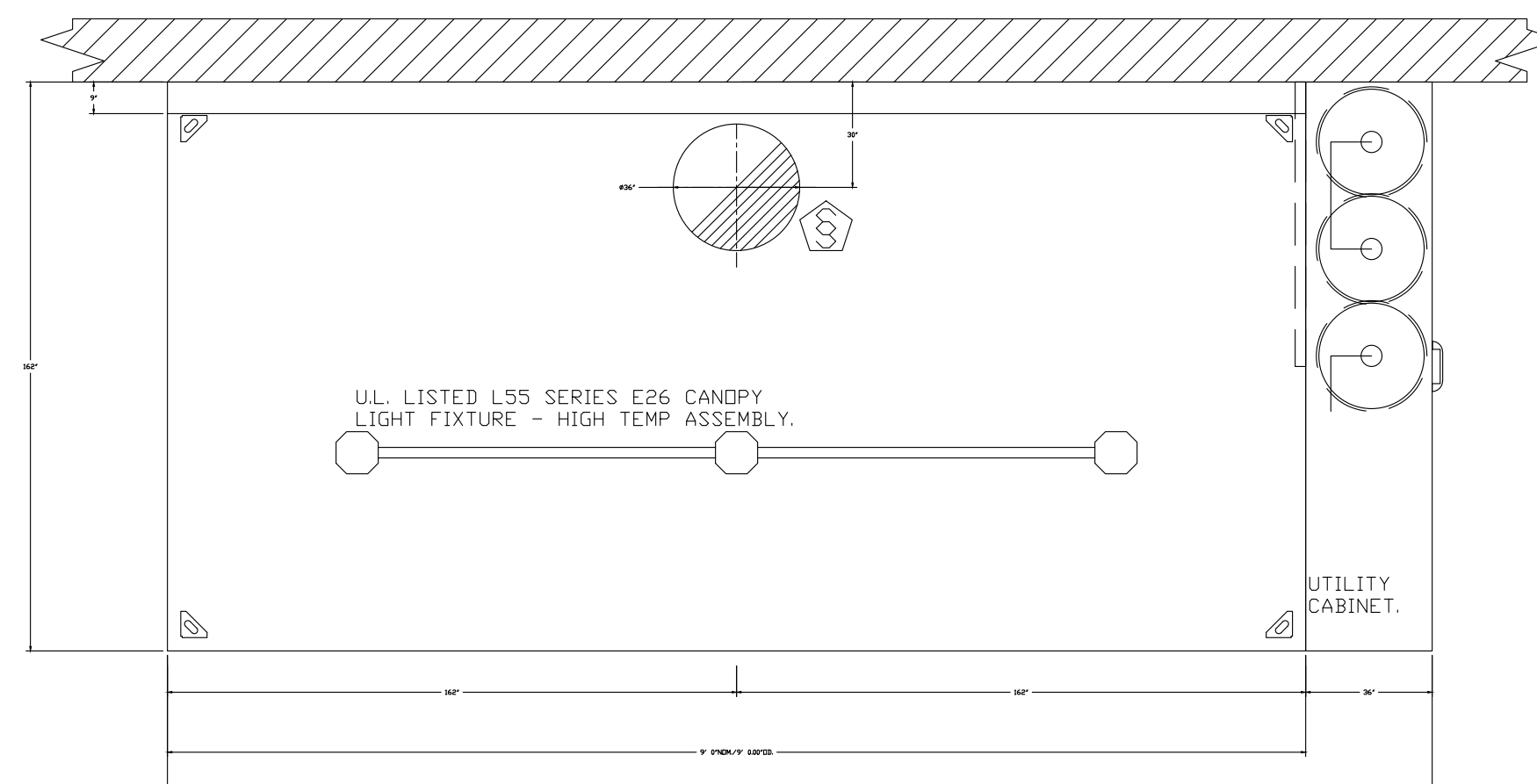
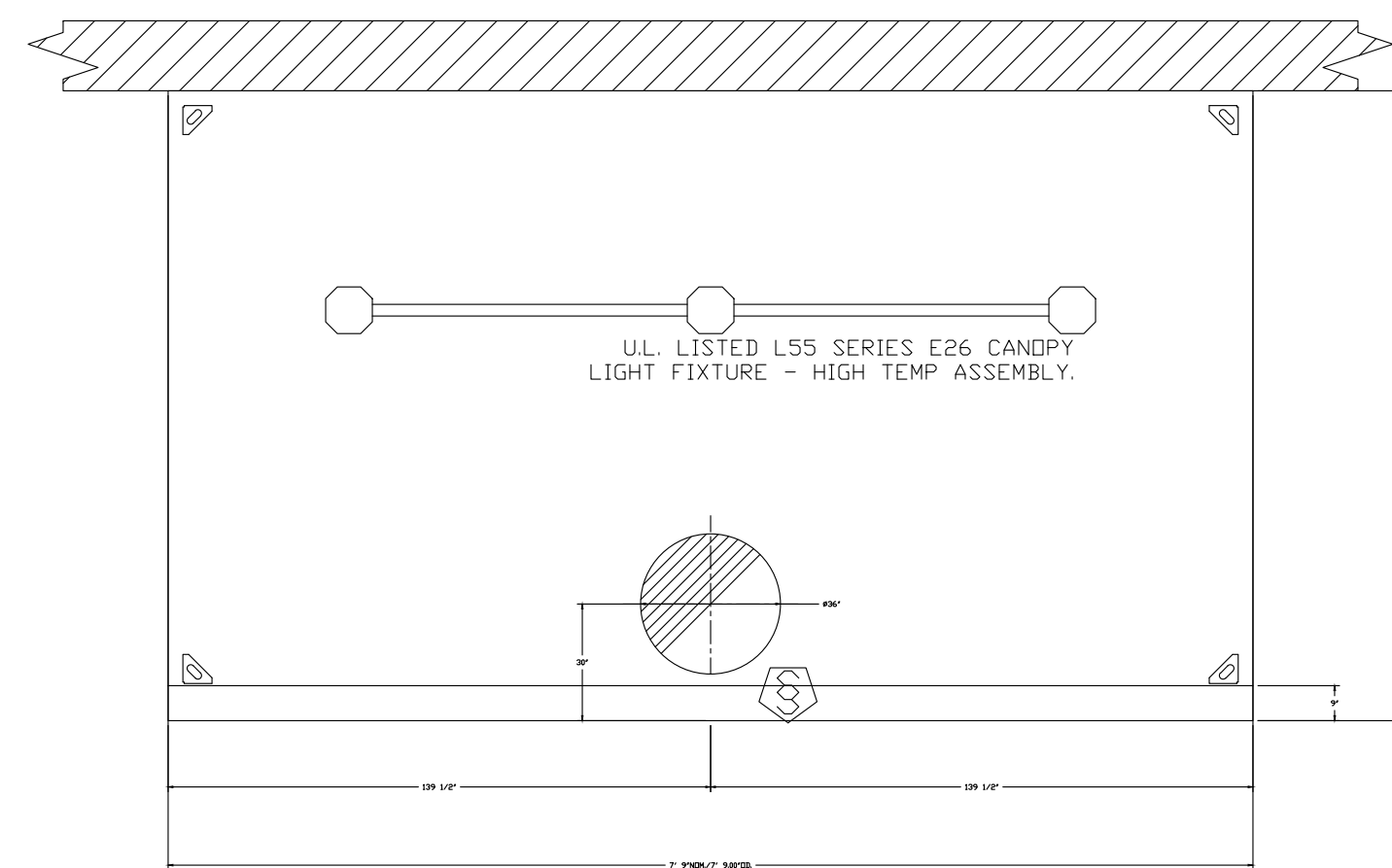
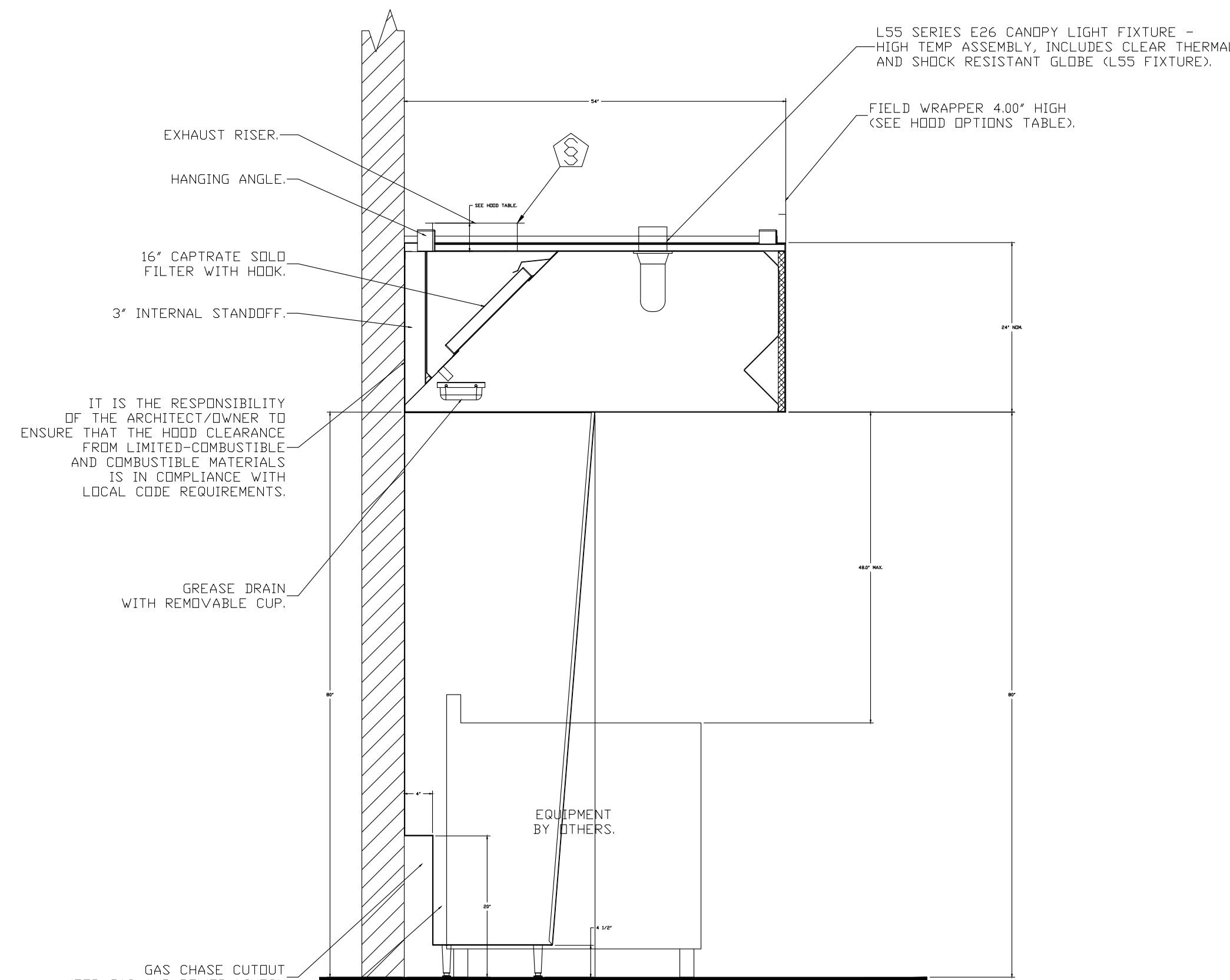
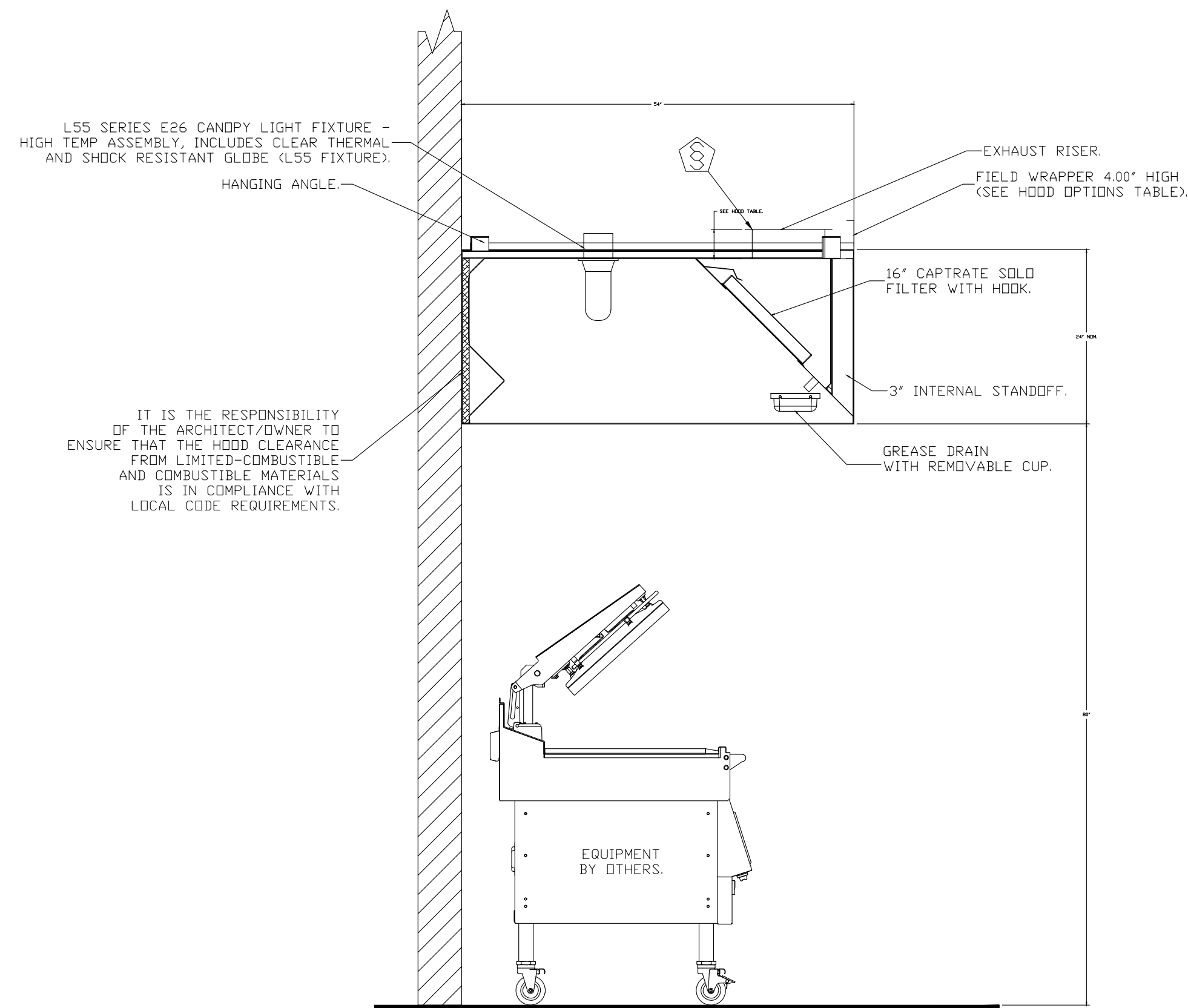
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM		VEL	SP	END TO END
1	Hood 1-Grill L0309	5424 ND-2	CAPTIVEAIRE	7' 9"	450 DEG	I	MEDIUM	155	1200		4"	12"	1200	1528	-0.606"	430 SS WHERE EXPOSED	ALONE	ALONE
2	Hood 2-Fryer L0505	5424 ND-2	CAPTIVEAIRE	9' 0"	450 DEG	I	MEDIUM	167	1500		4"	12"	1500	1910	-0.888"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	SIZE			ELECTRICAL	SWITCHES
1	Hood 1-Grill L0309	CAPTRATE SOLID FILTER	5	16"	16"	85% SEE FILTER SPEC	3	L55 SERIES E26	ND						YES	355 LBS	
2	Hood 2-Fryer L0505	CAPTRATE SOLID FILTER	6	16"	16"	85% SEE FILTER SPEC	3	L55 SERIES E26	ND	RIGHT	12"x54"x24"	TANK FS	4.0/4.0/4.0	SC-220110MA	1 LIGHT 1 FAN	YES	856 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Hood 1-Grill L0309	FIELD WRAPPER 4.00" HIGH LEFT, RIGHT, BACK. FINISHED BACK- ISL/REV INSTALL 93.00" LONG, (FILTERS TO THE FRONT). RISER SENSOR INSTALL 6IN PLEN.
2	Hood 2-Fryer L0505	FIELD WRAPPER 4.00" HIGH FRONT, LEFT, RIGHT. RISER SENSOR INSTALL 6IN PLEN. RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.



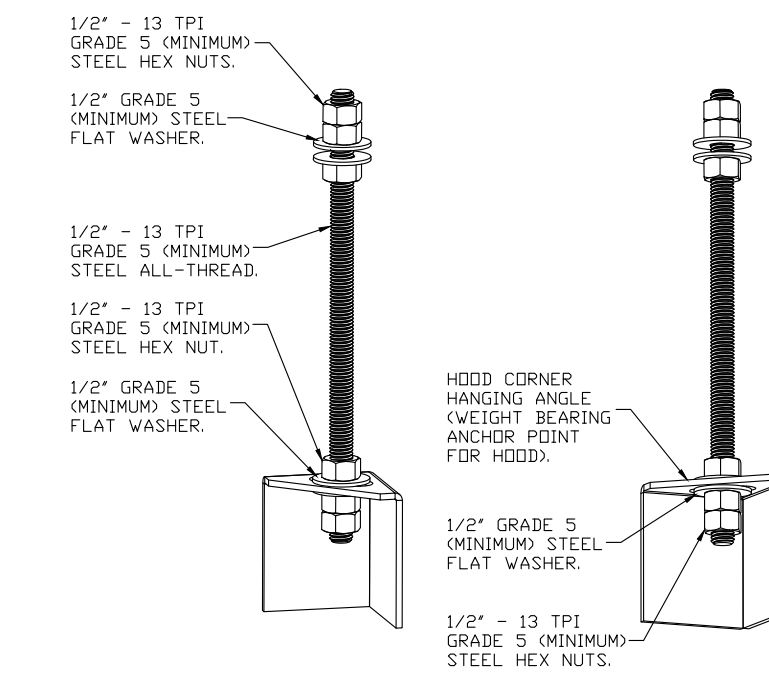
SYSTEM DESIGN VERIFICATION (SDV)

- CAPTIVEAIRE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL CAPTIVEAIRE EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. ANY FIELD-RELATED DISCREPANCIES THAT ARE DISCOVERED DURING SDV WILL BE DOCUMENTED AND BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES.
- DURING THE SDV, CAPTIVEAIRE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED DUE TO MANUFACTURER DISCREPANCIES, THERE WILL BE NO ADDITIONAL TRIP CHARGES.
- IF CAPTIVEAIRE MUST RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND MAY BE BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY, THERE MAY BE ADDITIONAL TRIP CHARGES.

SPECIFICATION: CAPTRATE GREASE-STOP SOLID FILTER

- THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.
- FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).
- UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.
- GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES" OF WATER GAUGE.
- THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.
- CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 - NFPA #96
 - UL STANDARD #1046
 - INT. MECH CODE (IMC)
 - ULC-S694

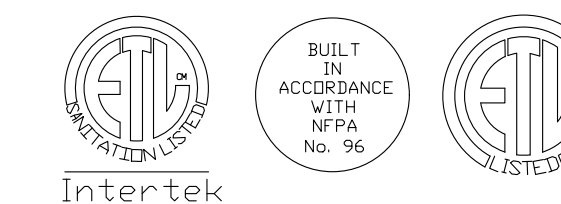
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

- HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD.
- SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN
- MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS.
- MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CAPTIVEAIRE HOODS ARE BUILT IN COMPLIANCE WITH:



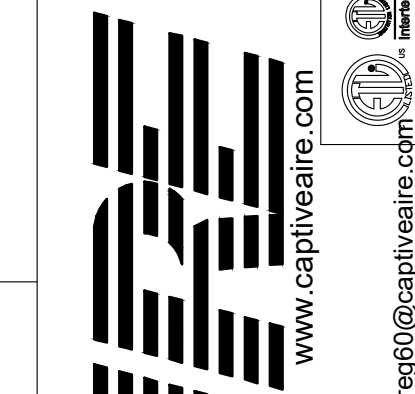
NFPA #96
UL 710 & ULC710 STANDARDS
ETL LISTED 102900319PRT-001

FOR QUESTIONS, CALL OR EMAIL

Florida National Accounts
Region 60

PHONE: (407) 682-3100
EMAIL: reg60@captiveaire.com

REVISIONS	
DESCRIPTION	DATE



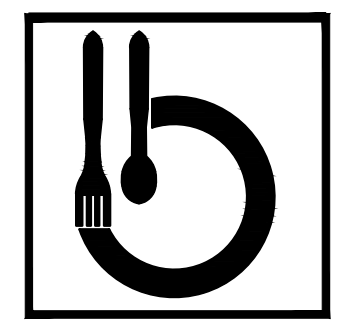
Florida National Accounts
239 N Hunt Club Blvd., STE 201, Longwood, FL 32779 PHONE: (407) 682-3100 FAX: (919) 227-5913 EMAIL: reg60@captiveaire.com

Wendys Plover, WI - Hood Pkg R2
Plover, WI, 54467

DATE: 1/18/2023
DWG.#: 5800852
DRAWN BY: REG60
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1

SITE NUMBER: 13952
BASE MODEL: GLOBAL NEXT GEN
ASSET TYPE: FRANCHISE
CLASSIFICATION: NRO
OWNER: BRIDGEMAN FOODS II, INC.
BASE VERSION: NEXT GEN 30
UPGRADE CLASSIFICATION: FRAN NEW BASE
PROJECT YEAR: 2023
FURNITURE PACKAGE: NEXTGEN 30
DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



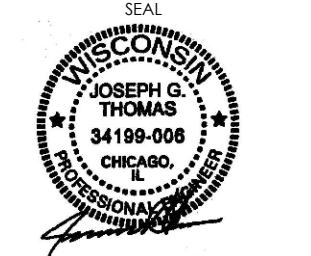
Bridgeman Foods II, Inc.

3309 Collins Lane
Louisville, Kentucky 40245
phone (502) 254-7130
jrawlings@bfccompanies.com

Wendy's
COMMONS CIRCLE
Plover, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
ISSUE DATE: 02/10/23
DRAWN BY: BH
CHECKED BY: SK



Signature: 02/10/2023
Date: 07/31/2024
Expiration Date:

SHEET NAME: CAPTIVEAIRE DRAWINGS

SHEET NUMBER

M5.3

FIRE SYSTEM INFORMATION - JOB#5800852

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0/4.0	56	FIRE CABINET RIGHT	RIGHT, HOOD 2

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	1.500	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

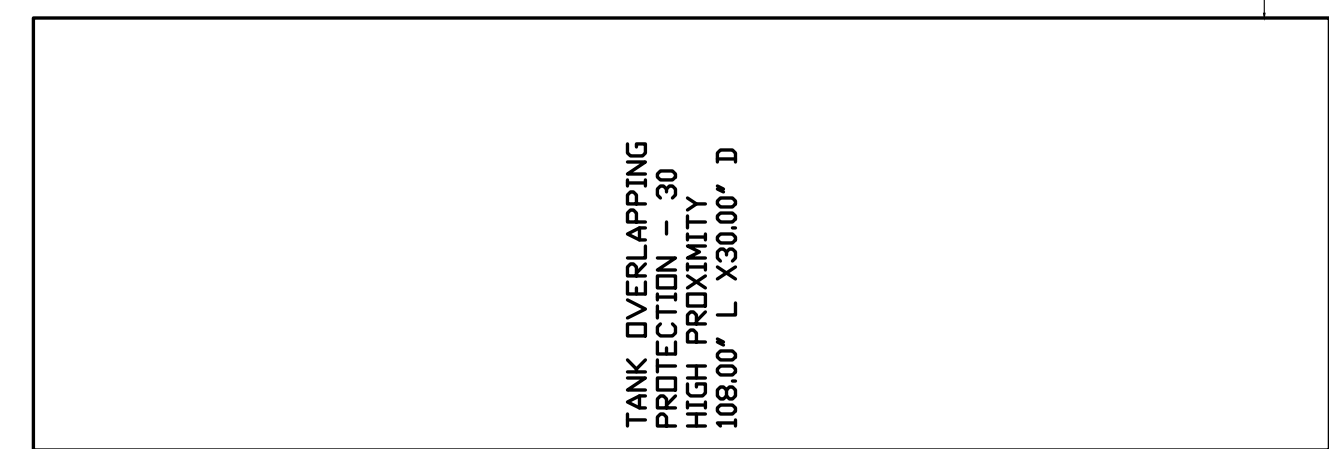
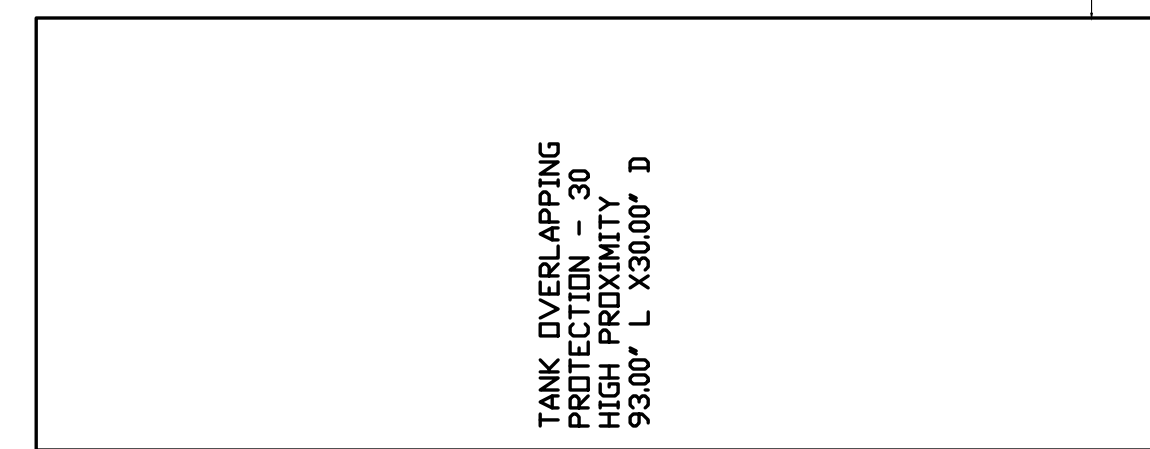
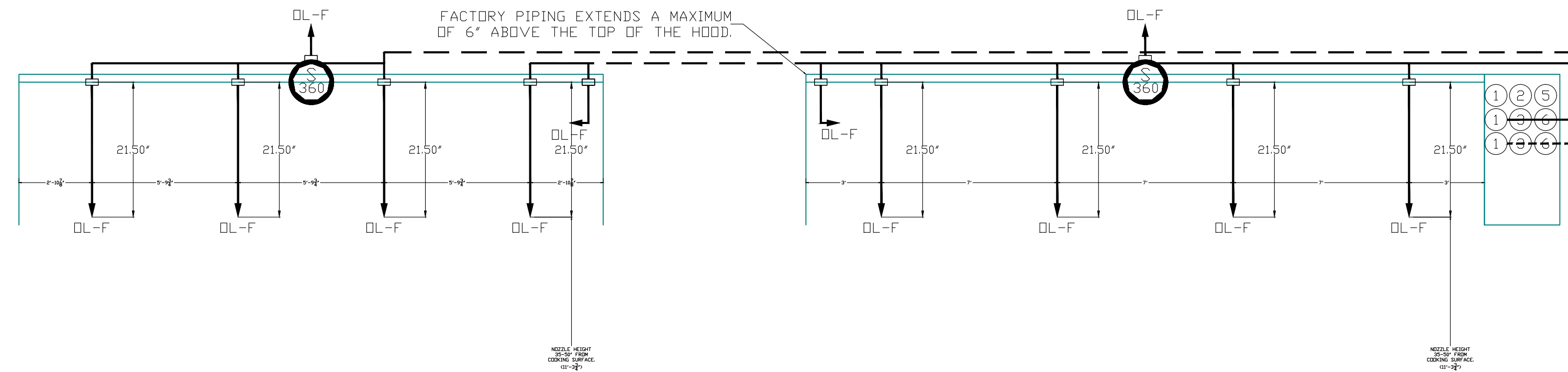
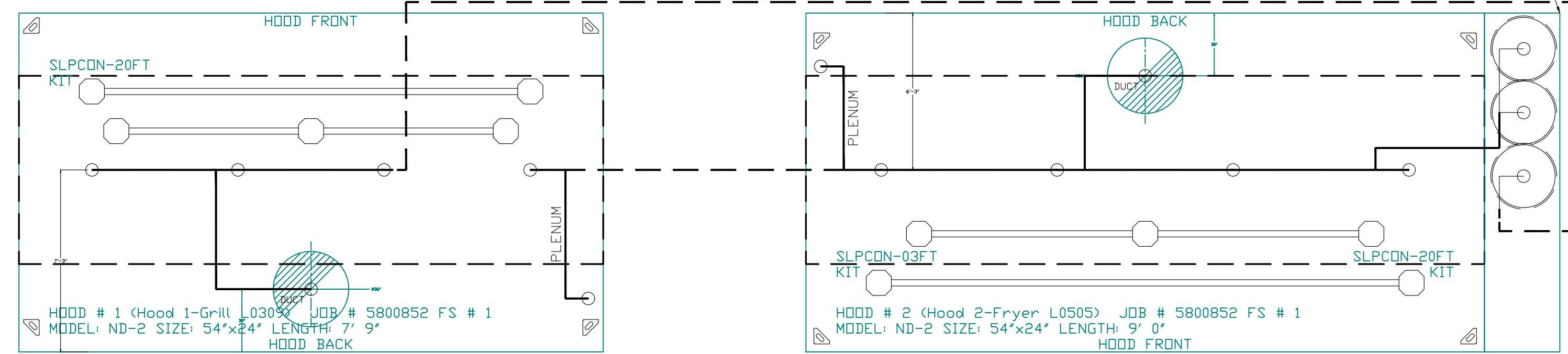
FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO. CLOSE ON TEMP RISE AT 360°F.	2	0
		0 - 0 - 361091 3/8" BRASS PLUG.	5	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0
		0 - 0 - 79425 3/8" NPT FEMALE TO 1/2" MALE PROPRESS ADAPTER.	5	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2"NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2"NPT FEMALE CONNECTION, VIEGA.	3	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5' BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW L.D.	10	0
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE L.D.	11	0
		0 - 0 - 90694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	2	0
		0 - 0 - B1145 3/8" BLACK IRON 90 ELL.	4	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - SLPDCN-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPDCN-20FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UP TO 19' GAP. KIT CONTAINS 22 FEET OF BLACK MG WIRE, 22 FEET OF TAN MG WIRE, 20 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	9	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	12	0
		16 - 16 - DL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE)- 4 FLOW POINTS.	12	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	12	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0

NOTES

- FIELD PIPE DROPS AS SHOWN
- PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2' 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.
- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK.
- PRIMARY ACTUATOR RELEASE.
- SECONDARY ACTUATOR RELEASE.
- PRESSURE SUPERVISION SWITCH.
- PRIMARY HOSE ASSEMBLY.
- SECONDARY HOSE ASSEMBLY.
- REMOTE MANUAL ACTUATION DEVICE.



- SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR MOST APPLIANCES. EACH 90 DEGREE ELBOW ADDS 1.3 FT OF EQUIVALENT LENGTH. SEE MANUAL FOR DETAILS

REVISIONS	
DESCRIPTION	DATE

CAPTIVEAIRE
 Florida National Accounts
 www.captiveaire.com
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Wendys Plover, WI - Hood Pkg R2
 PLOVER, WI, 54467

DATE: 1/18/2023
 DWG.#: 5800852
 DRAWN BY: REG60
 SCALE: 3/4" = 1'-0"
 MASTER DRAWING

SHEET NO. 2

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION: FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO

Bridgeman Foods II, Inc.
 3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfcpanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK

Professional Engineer Seal for Joseph G. Thomas, No. 34199-008, Chicago, IL.

SHEET NAME: CAPTIVEAIRE DRAWINGS
 SHEET NUMBER

M5.4

EXHAUST FAN INFORMATION - JOB#5800852

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF-1	1	DUBSHFA	CAPTIVEAIRE	1200	1.250	1254	TEAD-ECM	0.750	0.3910	1	208	5.2	380 FPM	89	9.7
2	EF-2	1	DUBSHFA	CAPTIVEAIRE	1500	1.250	1332	TEAD-ECM	0.750	0.4690	1	208	5.2	475 FPM	89	11
3	EF-3	1	DR10HFA	CAPTIVEAIRE	300	0.340	1500	TEAD-ECM	0.166	0.0670	1	115	1.9		49	5.9

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF-1	1	GREASE BDX
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
2	EF-2	1	GREASE BDX
		1	ECM WIRING PACKAGE - PWM SIGNAL FROM ECPM03 PREWIRE (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
3	EF-3	1	I 12-BDD DAMPER
		1	ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY

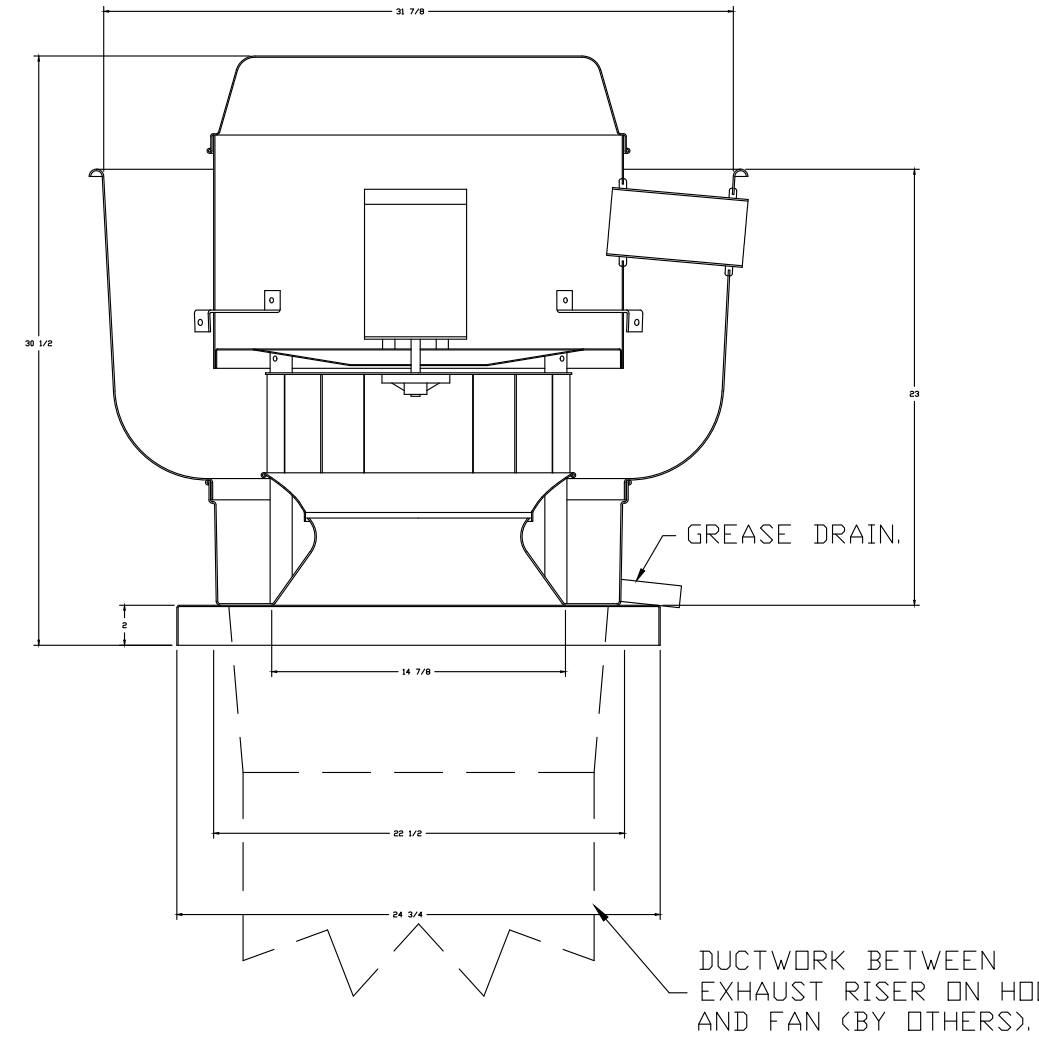
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY		
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	EF-1	YES						
2	EF-2	YES						
3	EF-3	YES						

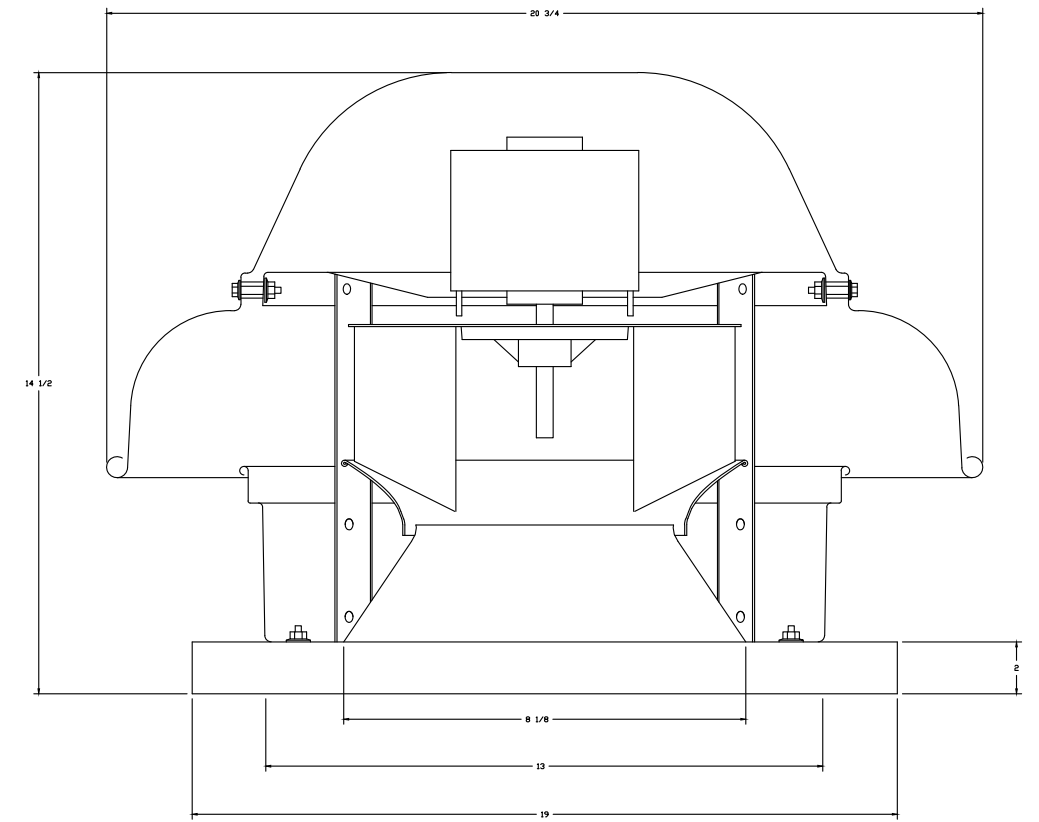
CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	EF-1	79 LBS	CURB	23.000"W X 23.000"L X 36.000"H ALONG LENGTH, RIGHT HINGED.
2	# 2	EF-2	79 LBS	CURB	23.000"W X 23.000"L X 36.000"H ALONG LENGTH, RIGHT HINGED.
3	# 3	EF-3	22 LBS	CURB	17.500"W X 17.500"L X 20.000"H ALONG LENGTH, RIGHT.

FANS #1 (EF-1), #2 (EF-2) - DUBSHFA EXHAUST FAN



FAN #3 DR10HFA - EXHAUST FAN (EF-3)



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES, WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

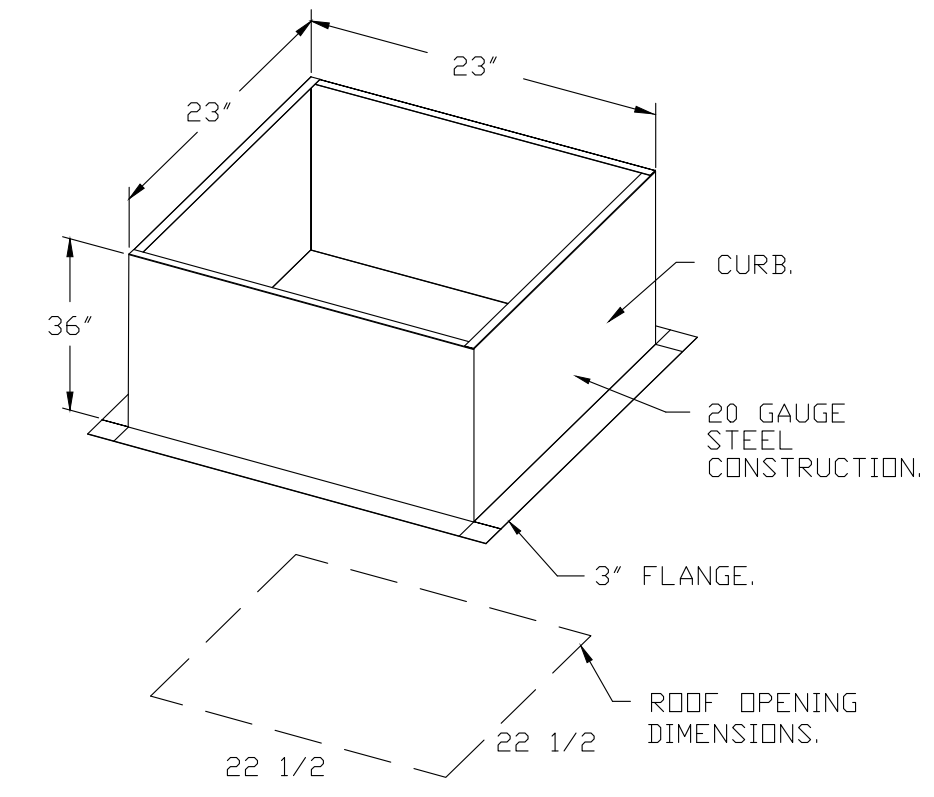
GREASE BDX.
ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (TELCD MOTOR), CCW ROTATION.
2 YEAR PARTS WARRANTY.

FEATURES:

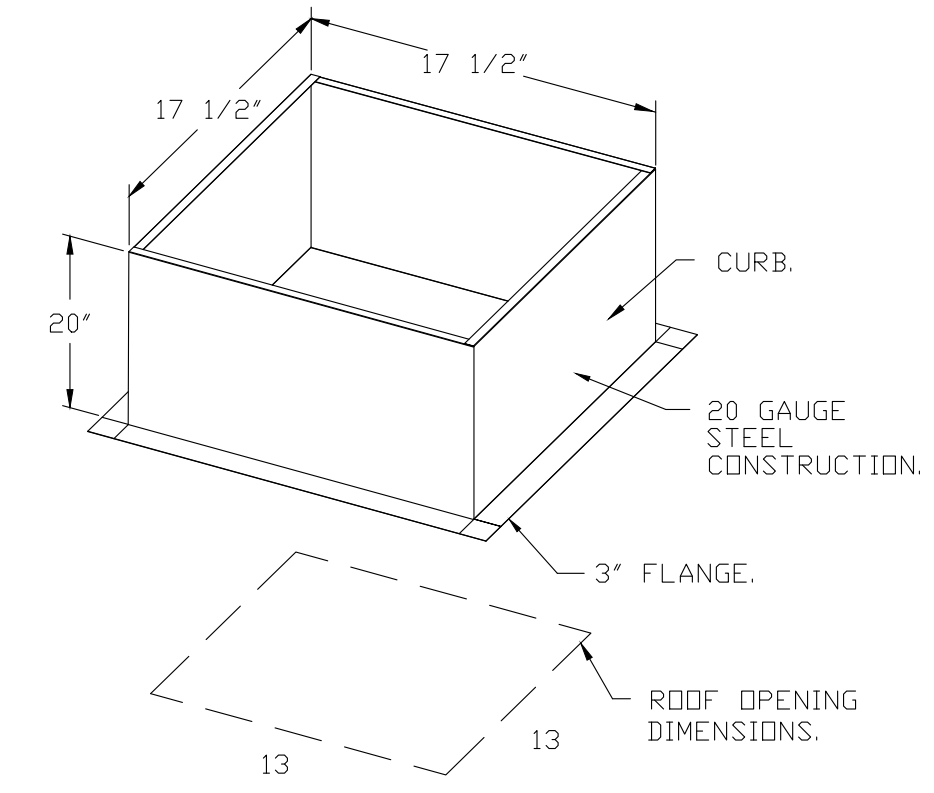
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- UL705.
- SAFETY DISCONNECT.
- STANDARD BIRD SCREEN.
- SPEED CONTROL.

OPTIONS

I 12-BDD DAMPER.
ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (TELCD MOTOR), CCW ROTATION.
2 YEAR PARTS WARRANTY.

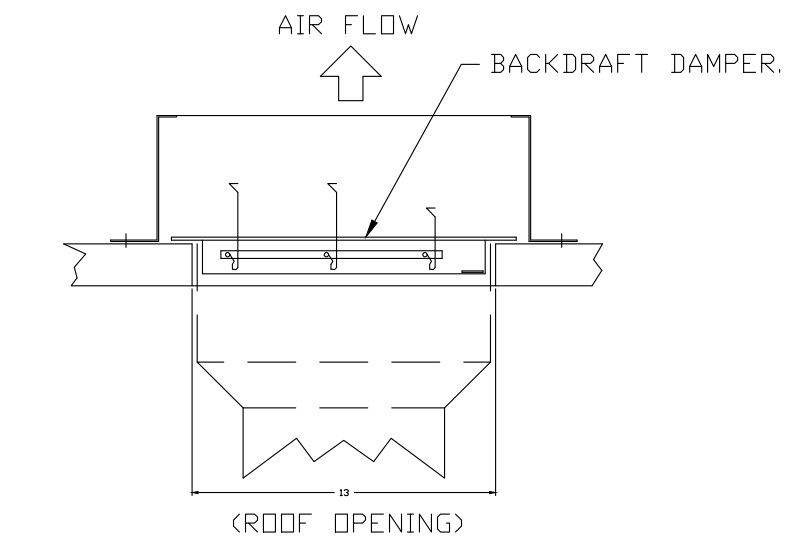


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.

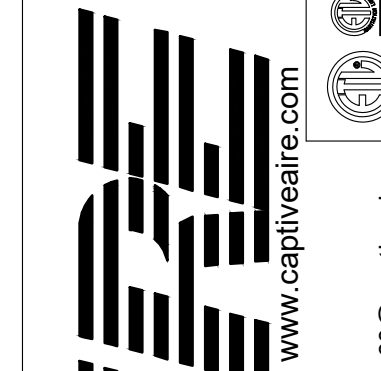


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.

BACKDRAFT DAMPER INSTALLATION



REVISIONS	
DESCRIPTION	DATE



CAPTIVEAIRE
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239 N Hunt Club Blvd., STE 201, Longwood, FL 32779 PHONE: (407) 866-3100 FAX: (919) 227-5910 EMAIL: reg@0@captiveaire.com

Wendys Plover, WI - Hood Pkg R2
PLOVER, WI, 54467

DATE: 1/18/2023
DWG.#: 5800852
DRAWN BY: REG60
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 3

SITE NUMBER: 13952
BASE MODEL: GLOBAL NEXT GEN
ASSET TYPE: FRANCHISE
CLASSIFICATION: NRO
OWNER: BRIDGEMAN FOODS II, INC.
BASE VERSION: NEXT GEN 30
UPGRADE CLASSIFICATION: FRAN NEW BASE

PROJECT YEAR: 2023
FURNITURE PACKAGE: NEXTGEN 30
DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO

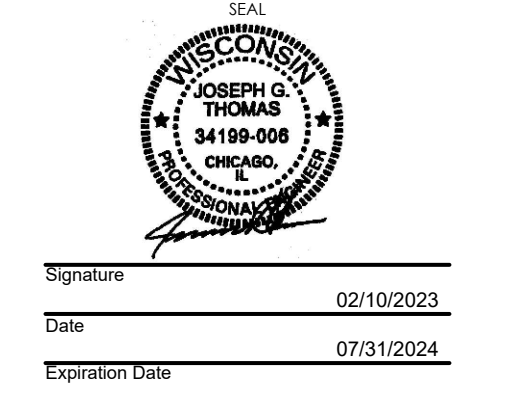


3309 Collins Lane
Louisville, Kentucky 40245
phone (502) 254-7130
jrawlings@bfccompanies.com

Wendy's
COMMONS CIRCLE
PLOVER, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT
ISSUE DATE: 02/10/23
DRAWN BY: BH
CHECKED BY: SK

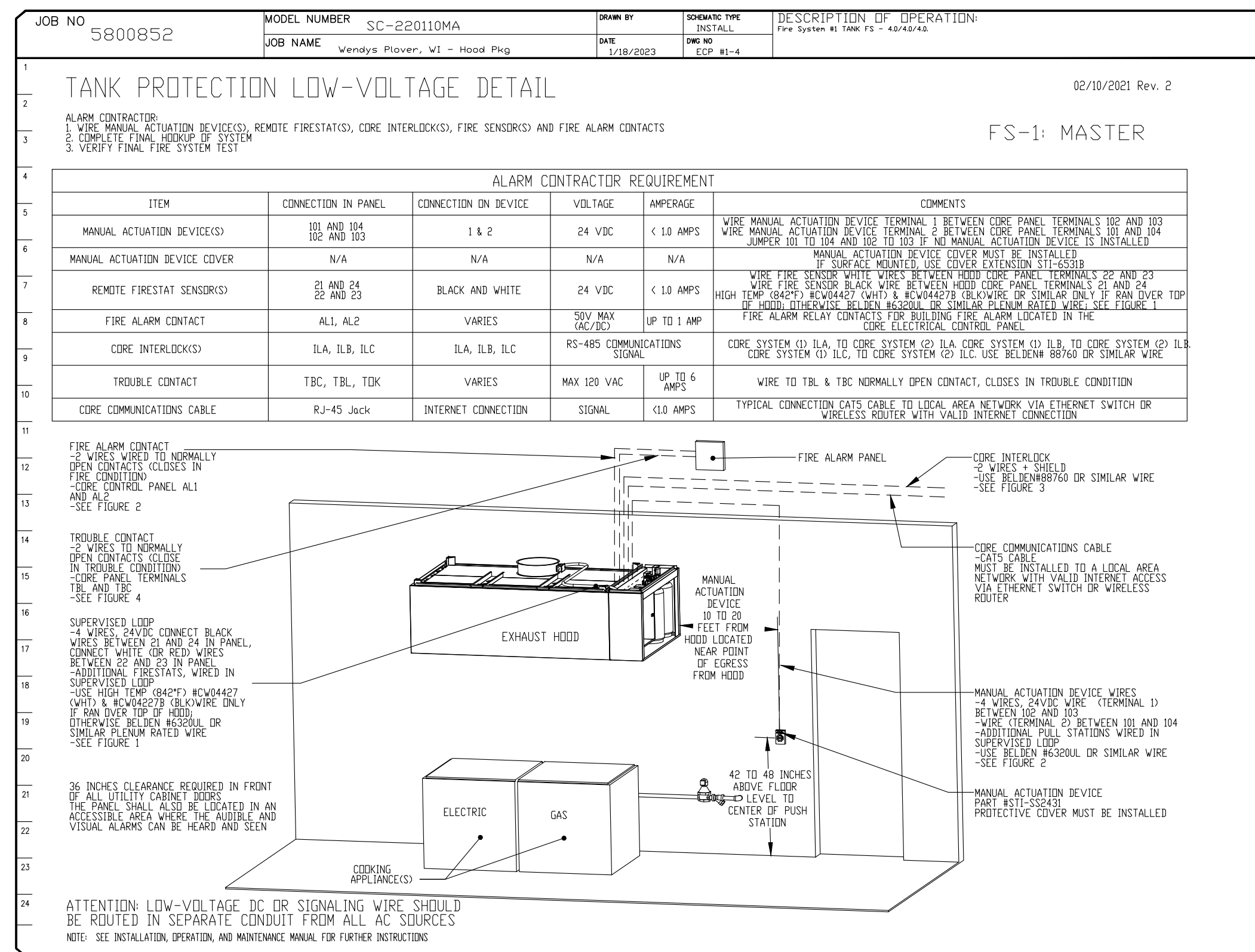
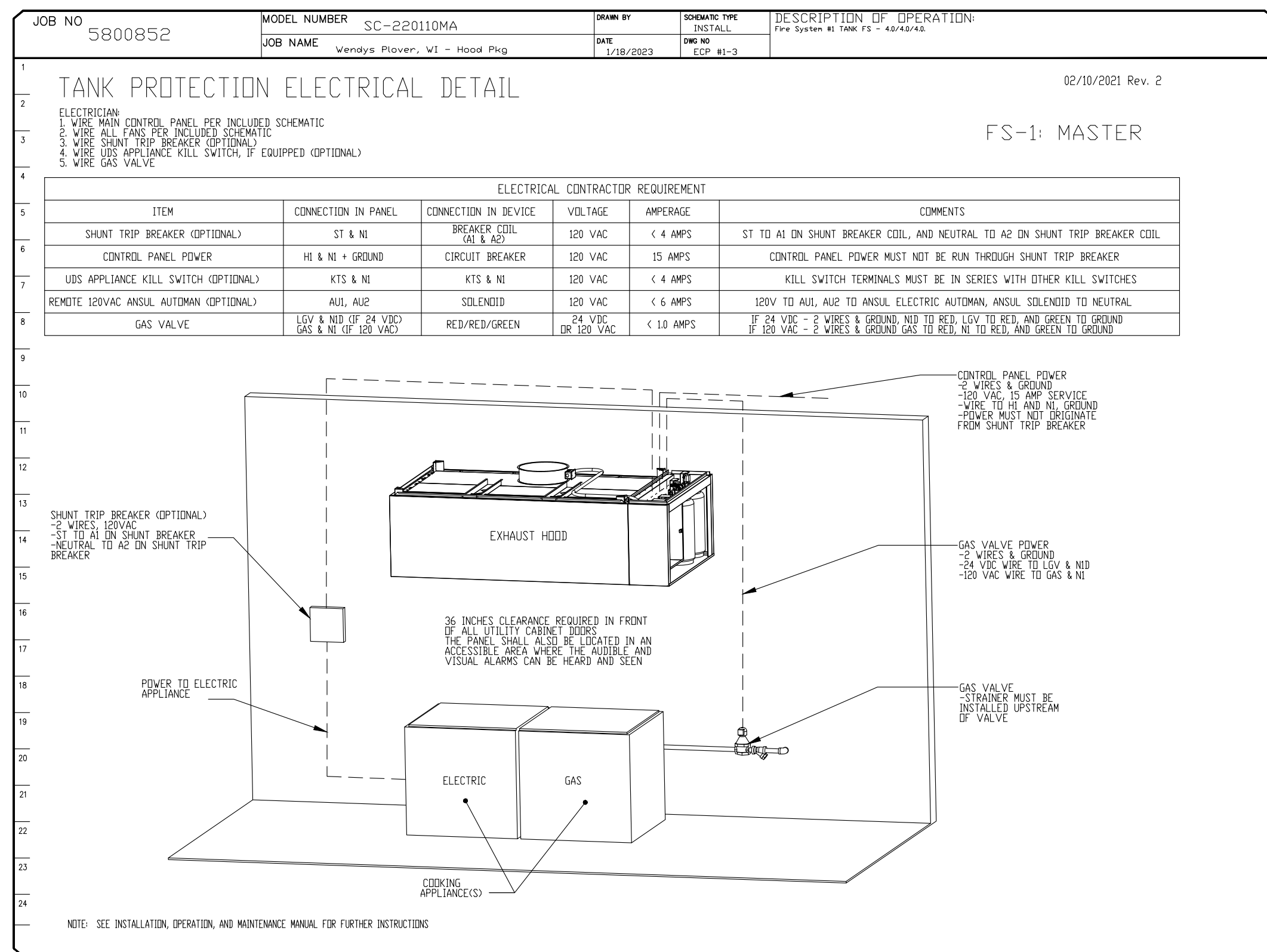
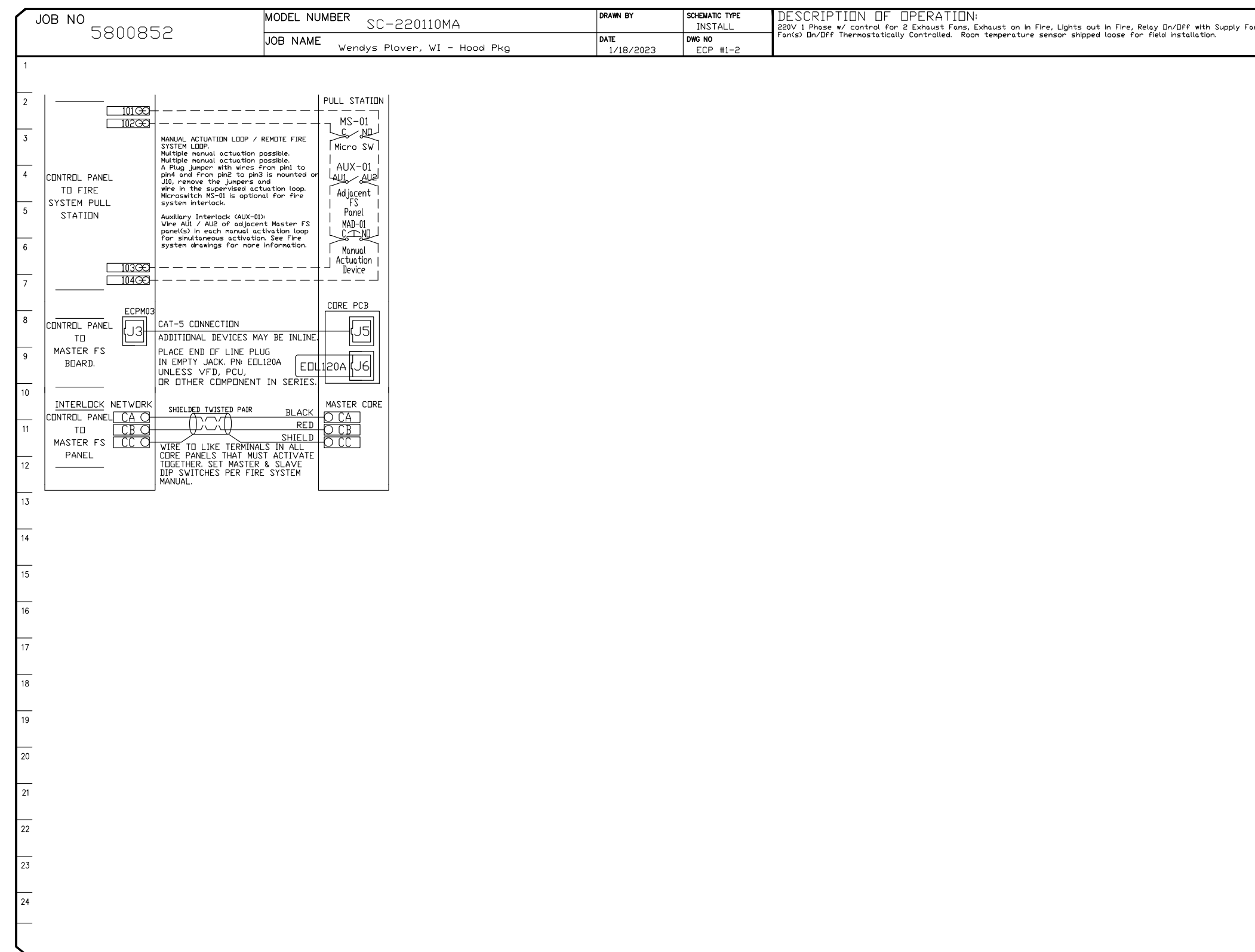
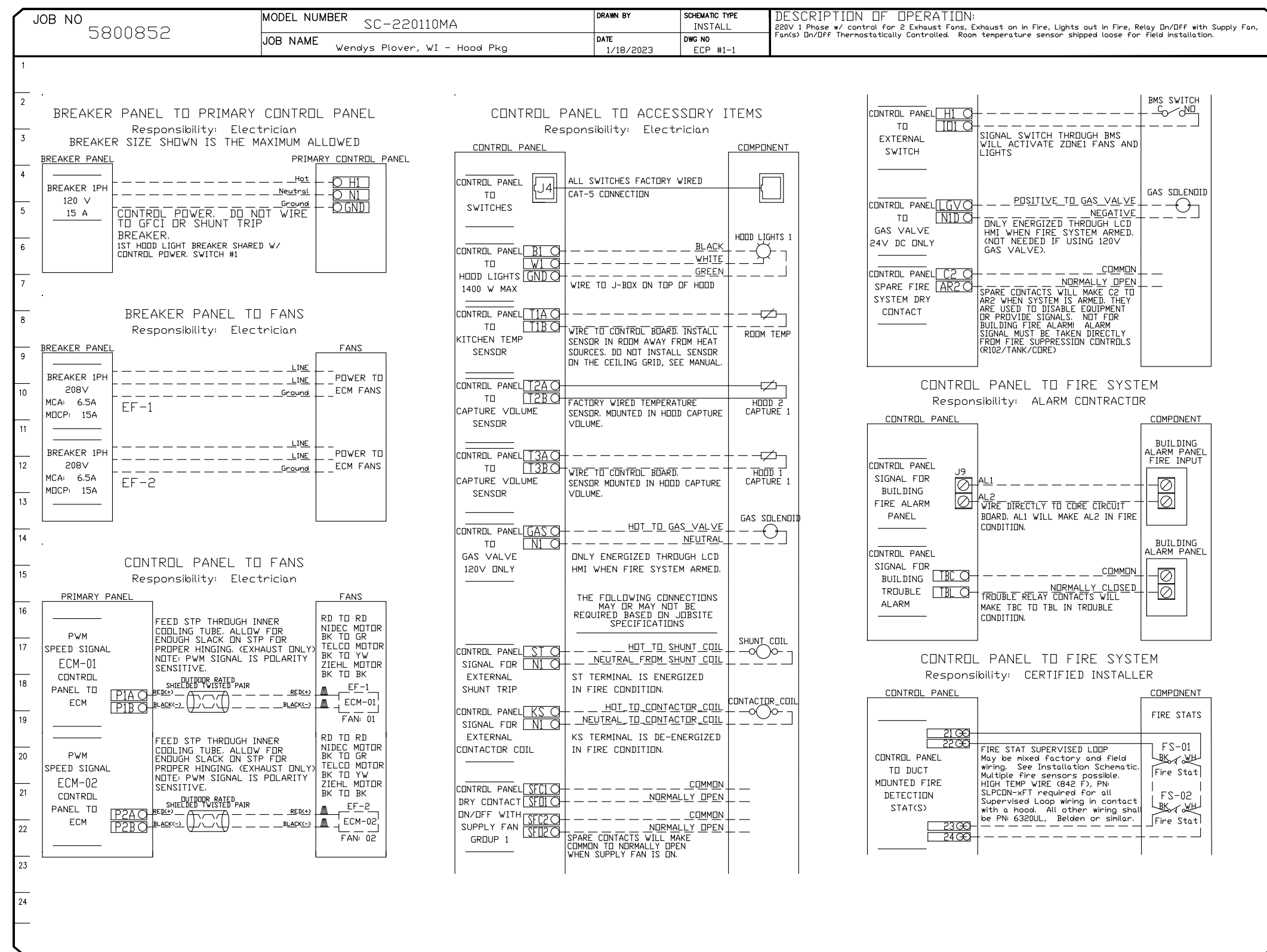


SHEET NAME: CAPTIVEAIRE DRAWINGS
SHEET NUMBER

M5.5

ELECTRICAL PACKAGE - JOB#5800852

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOLT	FLA	
1	ECP-1	SC-220110MA	UTILITY CABINET RIGHT	UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EF-1	EXHAUST	1	0.750	208	5.2
				HOOD # 2	1 FAN		EF-2	EXHAUST	1	0.750	208	5.2



REVISIONS

NO	DESCRIPTION	DATE

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Florida National Accounts

239 N Hunt Club Blvd., STE 201, Longwood, FL 32779 PHONE: (407) 882-3100 FAX: (919) 227-5613 EMAIL: reg80@captiveaire.com

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION: FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: **NRO**

Bridgeman Foods II, Inc.

3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfccompanies.com

Wendys Plover, WI - Hood Pkg R2
 PLOVER, WI, 54467

DATE: 1/18/2023
 DWG.#: 5800852
 DRAWN BY: REG60
 SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 5

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

ISSUED FOR PERMIT
 ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK

Signature: [Signature]
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME: CAPTIVEAIRE DRAWINGS
 SHEET NUMBER: M5.7

1/22/2023 4:13:47 PM
 1/22/2023 4:13:47 PM
 1/22/2023 4:13:47 PM

GENERAL NOTES

- A. PAY ALL FEES AND ARRANGE FOR EXECUTION OF ALL TAPS, METERS WITH REQUIRED ENCLOSURES (IF ANY), AND APPURTENANCES INHERENT TO THE INSTALLATION OF PLUMBING SERVICE.
B. PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO EXECUTE THE PLUMBING WORK INDICATED ON THE DRAWINGS AS SPECIFIED, AND AS REQUIRED BY LOCAL CODES AND ORDINANCES.
C. PROVIDE FOR DRAINING WATER SYSTEM AND CAP ALL STUBS UNTIL FINISH WORK IS INSTALLED.
D. PROVIDE VALVES ON WATER SUPPLIES TO EACH FIXTURE & EQUIPMENT.
E. INSULATE ALL PIPING PER SPECIFICATIONS.
F. PLUMBING FIXTURES SHALL BE PROVIDED WHERE SHOWN ON DRAWINGS.
G. PROVIDE ROUGH-IN AND FINAL CONNECTIONS OF REQUIRED WASTE, VENT, AND WATER SUPPLY PIPING.
H. THIS CONTRACTOR SHALL GUARANTEE ALL WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP AND MATERIALS.
I. THE DIRECTION OF THE SANITARY MAIN AND THE LOCATION OF THE GREASE INTERCEPTOR SHALL BE COORDINATED WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN.
J. PROVIDE PROVENT TRAP GUARD (OR APPROVED EQUAL) AT ALL FLOOR DRAINS.
K. COORDINATE LOCATION AND ROUGH-IN HEIGHT OF KITCHEN PIPING WITH OWNER AND MILLWORK PRIOR TO ROUGH-IN.
L. PROVIDE WATER HAMMER ARRESTORS AT END RUN OF ALL WATER PIPING.
M. ALL PIPING (GAS AND WATER) SHALL BE CONCEALED IN WALL SPACE WHEN POSSIBLE.
N. DAMAGES TO EXISTING WALLS, FLOORS, FINISHES ETC. BY THIS CONTRACTOR SHALL BE REPAIRED AT THIS CONTRACTOR'S EXPENSE.
O. WATER HEATER, WATER METER AND BACKFLOW PREVENTER SHALL BE INSTALLED TO MEET ALL STATE, COUNTY AND LOCAL JURISDICTION CODES.
P. ON ALL SYNIFLEX LINE INSTALLATIONS (EXCEPT DRINK STATIONS AND COFFEE BREWER) TRANSITION TO COPPER AT TOP OF WALL, AND ROUTE DOWN INSIDE WALL AND THEN THROUGH WALL TO EXPOSED SHUT OFF VALVE.
Q. 3 COMP SINK, COMBI OVEN AND 2 AREA FLOOR DRAINS BETWEEN HOOD AREA SHALL BE ROUTED TO GREASE WASTE LINE.
R. ALL WATER SUPPLY LINES, VENT STACK LINES, SANITARY LINES, AND OTHER EXPOSED PLUMBING LINES SHALL BE COMPLETELY SEALED AT ALL WALL PENETRATIONS.
S. SEE CONNECTION SCHEDULE FOR ALL INDIVIDUAL PIPE SIZES.

PLUMBING FIXTURE SCHEDULE

Table with columns: SYMBOL, FIXTURE TYPE, MANUF., MODEL, DESCRIPTION, ACCESSORIES/OPTIONS, NOTES (#). Includes items like WC (Water Closet), LAV-1 (Lavatory), MS (Mop Sink), WB (Combi Oven), FPHW (Frost Proof Wall Hydrant), FD (Floor Drain), FS-1 (Floor Sink), FS-2 (Floor Sink), HD (Hub Drain), MV (Mixing Valve).

GAS FIRED WATER HEATER SCHEDULE

Table with columns: SYMBOL, MANUF., MODEL, GAL., BTU, GAS PRESSURE, RECOVERY (GPH/100°F), SET POINT (°F), NOTES (#). Includes item WH-1 (Bradford White).

EXPANSION TANK SCHEDULE

Table with columns: SYMBOL, MANUF., MODEL, GAL., ACCEPT. GAL., CONN. LOC., CONN. SIZE, MOUNTING, NOTES (#). Includes item ET-1 (AMTROL).

PUMP SCHEDULE

Table with columns: SYMBOL, MANUF., MODEL, GPM, HEAD (FT), V, PH, A, W, NOTES (#). Includes item RCP (Grundfos).

WSFU CALCULATIONS

Table with columns: FIXTURE, QTY., WSFU, TOTAL. Lists fixtures like Water Closet, Lavatory, Mop Basin, Hand Sink, etc.

DFU CALCULATIONS

Table with columns: FIXTURE, QTY., DFU, TOTAL. Lists fixtures like Water Closet, Lavatory, Mop Basin, Hand Sink, etc.

FIXTURE & EQUIPMENT CONNECTION SCHEDULE

Large table with columns: SYMBOL, QUANTITY, DOMESTIC WATER (Filtered, Cold, Hot), SANITARY, NATURAL GAS, BTU LOAD, USED COOKING OIL, REMARKS (#). Includes items like WC, LAV-1, MS, FPHW, FD, FS-1, FS-2, HD, A0105, A0608, T0802, J1004, K1401, A0801, T1213, T0902, T2011, T2062, T2703, QP0909, T2212, T1212, T2213, A0303, A0202, Q0223.

REMARKS (#)

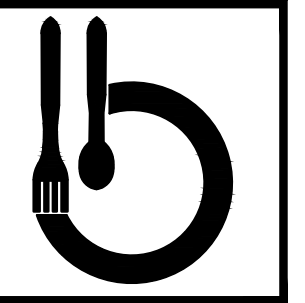
- 1. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. PLUMBING FIXTURE PROVIDED BY PLUMBING INSTALLER.
3. EQUIPMENT FURNISHED BY OTHERS.
4. PLUMBING INSTALLER TO MAKE FINAL CONNECTIONS TO EQUIPMENT.
5. FINAL CONNECTION TO EQUIPMENT BY OTHERS.
6. PROVIDE VALVE AT EACH CONNECTION TO EQUIPMENT.
7. PLUMBING CONTRACTOR TO PROVIDE INDIRECT DRAIN TO FLOOR DRAIN OR SINK.
8. VERIFY DIRECT OR INDIRECT WASTE CONNECTION PER LOCAL CODE REQUIREMENTS.
9. VERIFY SANITARY OR GREASE WASTE CONNECTION PER LOCAL CODE REQUIREMENTS.
10. SHUTOFF VALVE AND FLEX CONNECTOR LINES TO PRE-RINSE ARE PROVIDED WITH FIXTURE.
11. PROVIDE WITH BACKFLOW PROTECTION PER BACKFLOW PREVENTOR SCHEDULE.
12. PROVIDE WITH WATTS NO. SS009 BACKFLOW PREVENTER WHEN LOCAL JURISDICTION REQUIRES A HIGHER LEVEL OF PROTECTION THAN PROVIDED BY THE INTEGRAL ASSE 1022 DOUBLE CHECK VALVE.
13. PLUMBING INSTALLER TO RUN WATER LINE TO FILTRATION SYSTEM WITH FINAL CONNECTIONS BY BEVERAGE INSTALLER.
14. BEVERAGE INSTALLER TO ROUTE LINE TO POINT OF USE AND PLUMBING INSTALLER TO MAKE FINAL CONNECTION.
15. WATER SUPPLY LINE IS PART OF THE BEVERAGE BUNDLE.
16. PROVIDE CHEMICAL FEED SYSTEM WITH BACKFLOW PROTECTION AS REQUIRED BY LOCAL CODE.

PLUMBING SYMBOLS LEGEND

Table with columns: ABBREVIATIONS, LINETYPES, PIPE SYMBOLS. Lists symbols for AFF/AFG, AHJ, BFP, BV, WCO/CO, FCO/ECO, RI, TYP, UNO, VTR, IW, and various pipe types like COLD WATER, FILTERED WATER, NSF, HOT WATER, GAS LINE, etc.

SITE NUMBER: 13952
BASE MODEL: GLOBAL NEXT GEN
ASSET TYPE: FRANCHISE
CLASSIFICATION: NRO
OWNER: BRIDGEMAN FOODS II, INC.
BASE VERSION: NEXT GEN 30
UPGRADE CLASSIFICATION: FRAN NEW BASE
PROJECT YEAR: 2023
FURNITURE PACKAGE: NEXTGEN 30
DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



Bridgeman Foods II, Inc.

3309 Collins Lane
Louisville, Kentucky 40245
phone (502) 254-7130
jrawlings@bfccompanies.com

Wendy's
COMMONS CIRCLE
PLOVER, WI 54467

Table with columns: #, DATE, REMARK. Contains a series of empty rows for notes.

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ISSUE DATE: 02/10/23
DRAWN BY: BH
CHECKED BY: SK
Signature: [Signature]
Date: 02/10/2023
Expiration Date: 07/31/2024

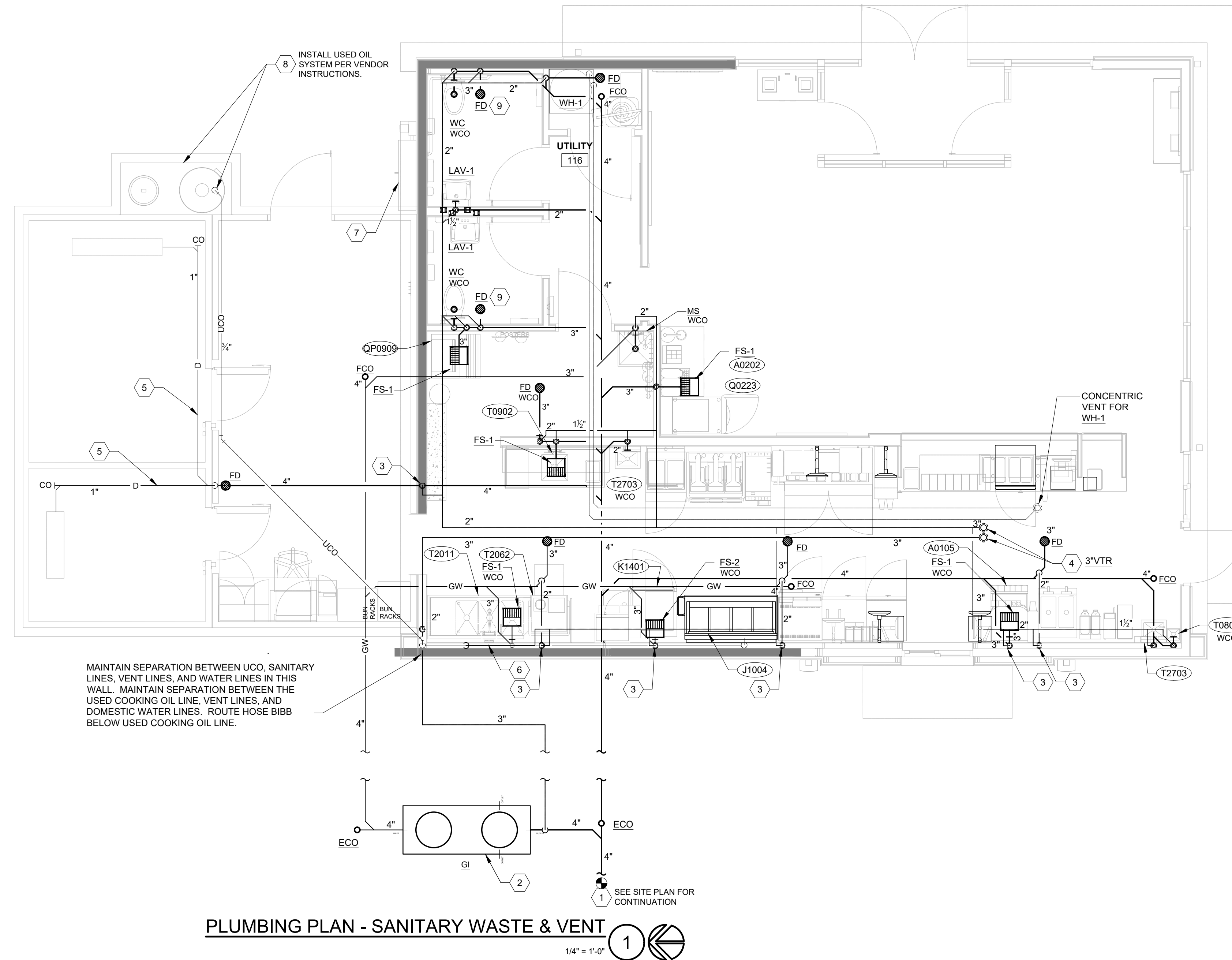
PLUMBING SCHEDULES AND NOTES

SHEET NUMBER

P1.0

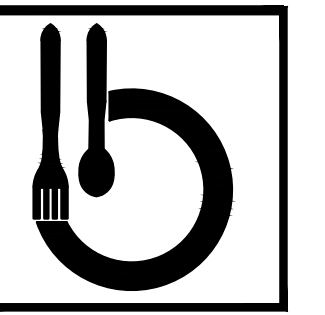
CODED NOTES:

1. EXTEND SANITARY LINE TO MAIN. FIELD VERIFY EXACT LOCATION WITH LOCAL UTILITY COMPANY PRIOR TO BID.
2. PROVIDE KITCHEN GREASE INTERCEPTOR. LOCATE CLEAR OF DRIVE-THRU LANE. REFER TO CIVIL DRAWINGS FOR FINAL LOCATION. REFER TO CIVIL DRAWING "GREASE INTERCEPTOR" DETAIL.
3. VENT RISER FROM UNDER FLOOR PIPING. REFER TO SANITARY ISOMETRIC FOR CONTINUATION.
4. PROVIDE SANITARY VENT THROUGH ROOF PER "VENT THRU ROOF (VTR)" DETAIL. LOCATE VENT MINIMUM OF 10'-0" AWAY FROM AIR INTAKES ON ROOF, UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION. VTR SHALL BE EXTENDED HIGHER THAN ANY AIR INTAKES. LOCATE PER ROOF PLAN.
5. ROUTE CONDENSATE FROM FREEZER/COOLER TO FLOOR DRAIN. PROVIDE RAYCHEM GUARDIAN GM-51-IM HEAT TRACED LINE FROM INSIDE OF COOLER TO FLOOR DRAIN. (COORDINATE POWER FOR HEAT TRACE WITH ELECTRICAL PLANS.) REFER TO "COOLER/FREEZER CONDENSATE" DETAIL.
6. ROUTE USED COOKING OIL LINE BEHIND EQUIPMENT. EXTEND LINE TO USED COOKING OIL TANK AS SHOWN. REFER TO "USED OIL RECOVERY" DETAIL.
7. ROUTE USED COOKING OIL LINE MINIMUM OF 6" ABOVE CEILING FROM EQUIPMENT TO RECOVERY TANK AS SHOWN PER PLAN. SLOPE PIPING TO BACK OF BUILDING. REFER TO INSTALLATION MANUAL FOR EXACT PITCH. LINE CANNOT HAVE ANY TRAPS. USE ONLY BACK TO BACK 45 DEGREE ELBOW TO CHANGE DIRECTION.
8. PROVIDE THREADED BLACK IRON PIPE DOWN WALL. COVER UCO LINE FROM WALL ENTRY TO POINT OF CONNECTION AT TANK WITH 1" THICK FIBERGLASS PIPE INSULATION WITH ASJ. PROVIDE EXTERIOR PIPE INSULATION WITH STAINLESS STEEL PIPE COVER THAT IS Banded AND SEALED THROUGHOUT WITH CLEAR UV RESISTANT SILICONE CAULK. PROVIDE WALL PENETRATOR WITH STAINLESS STEEL ESCUTCHEON. DO NOT RUN PIPE THROUGH REFRIGERATED BOXES OR SERVICES SPACES. TURN INTO TANK SHED AT 89° A.F.F. STUB OUT EXTERIOR SIDE OF WALL.
9. EMERGENCY DRAIN IN RESTROOM SHALL BE INSTALLED FLUSH TO GRADE WITH NO SLOPE. COORDINATE INSTALLATION HEIGHT WITH GENERAL CONTRACTOR TO ENSURE PROPER INSTALLATION.



SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
 FRAN NEW BASE

PROJECT TYPE:
 NRO



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Wendy's
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 PLOVER, WI 54467

#	DATE	REMARK

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 ISSUE DATE: 02/10/23
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Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME
 PLUMBING PLAN -
 SANITARY WASTE & VENT

SHEET NUMBER

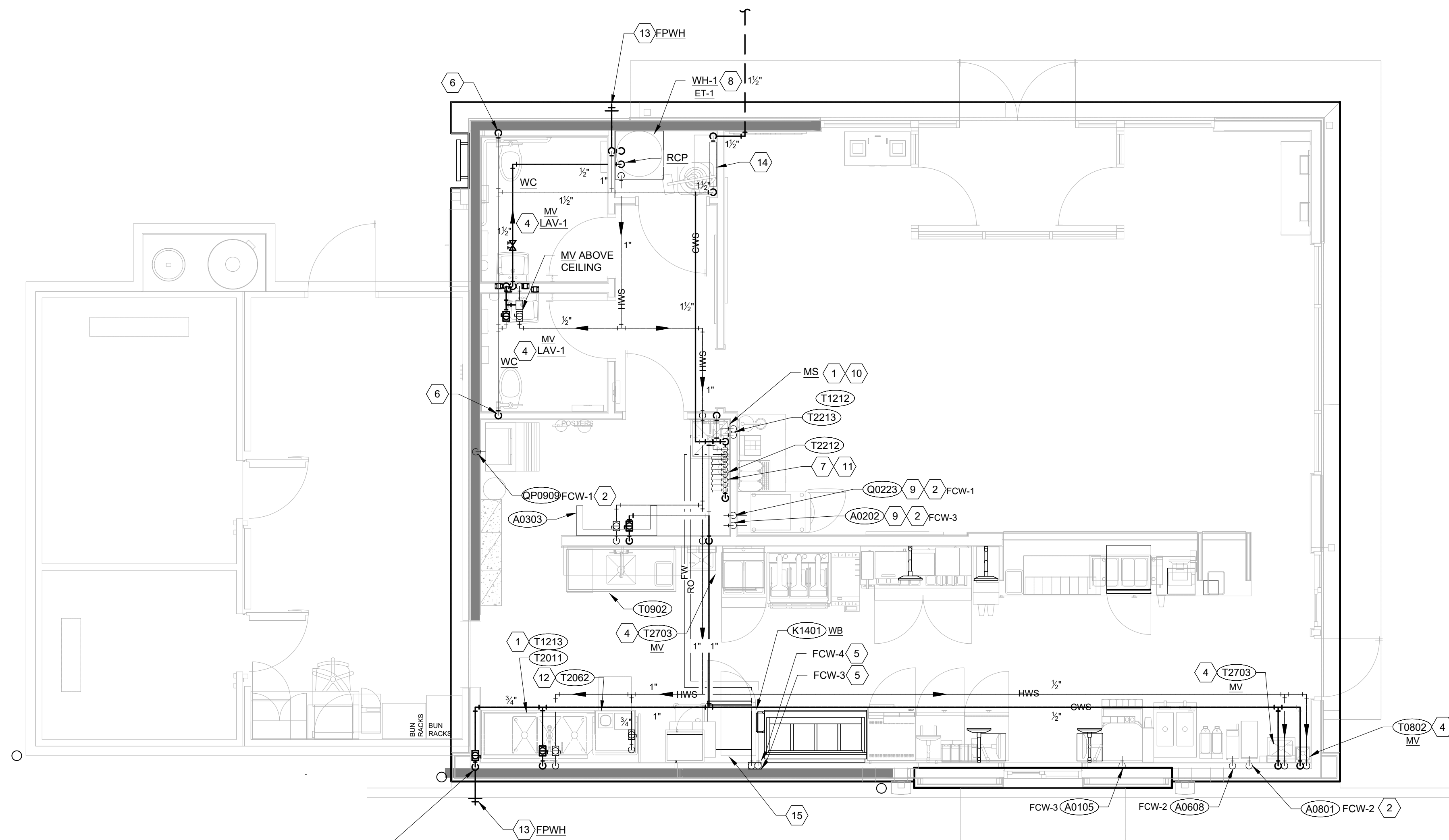
P1.1

BEVERAGE EQUIPMENT NOTES

1. BEVERAGE EQUIPMENT SUPPLIER TO RUN NSF 61 TUBING FOR SODA DISPENSOR(S) AND SELF SERVE ICE MAKER(S).
2. GC OR PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS FOR ICE MAKER(S).
2. GC OR PLUMBING CONTRACTOR TO PROVIDE OETIKER CLAMPS FOR CONNECTING BEVERAGE HOSES.
3. BEVERAGE EQUIPMENT SUPPLIER TO INSTALL SODA DISPENSERS AND ANCILLARY EQUIPMENT INCLUDING RACK, WATER BOOSTER, ETC.
4. BEVERAGE EQUIPMENT SUPPLIER TO INSTALL STAINLESS STEEL CHASE COVERS FOR NSF 61 TUBING.
5. BEVERAGE EQUIPMENT SUPPLIER TO CLEAN, SEAL, AND CAP CHASE.
6. BEVERAGE EQUIPMENT SUPPLIER TO INSTALL STAINLESS STEEL CHASE COVERS FOR NSF 61 TUBING.

CODED NOTES:

1. CHEMICAL FEED UNITS AND INSTALLATION KITS SUPPLIED BY OWNER'S REPRESENTATIVE AND INSTALLED BY CONTRACTOR. FEED STATION LOCATIONS ARE TO BE VERIFIED WITH OWNER. PROVIDE BACKFLOW PROTECTION AS REQUIRED BY LOCAL CODE AND PER BACKFLOW PREVENTER SCHEDULE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. PLUMBING CONTRACTOR TO PROVIDE 1/2" INSULATED COPPER LINES IN WALL WITH BALL VALVE AT CONNECTION LOCATION AND MALE THREAD ADAPTOR ABOVE CEILING FOR CONNECTION BY BEVERAGE EQUIPMENT INSTALLER TO NSF 61 TUBING LINES.
3. BEVERAGE EQUIPMENT INSTALLER TO PROVIDE 1/2" NSF 61 TUBING FILTERED COLD WATER LINE FROM WATER FILTER TO CARBONATOR. BEVERAGE EQUIPMENT INSTALLER SHALL PROVIDE REQUIRED CODE APPROVED STAINLESS STEEL BACKFLOW PREVENTER PRIOR TO CARBONATOR EQUIPMENT. NO COPPER WATER LINES SHALL BE USED FOR CARBONATED WATER LINES AFTER THE BACKFLOW PREVENTER.
4. PROVIDE INDIVIDUAL MIXING VALVE FOR ALL HAND SINKS AND LAVATORIES IN AN ACCESSIBLE LOCATION.
5. ROUTE PEX-A FILTERED AND REVERSE OSMOSIS WATER LINES TO SERVE THE COMBI OVEN.
6. ROUTE 1 1/2" COLD WATER COPPER LINE FROM ABOVE CEILING DOWN TO APPROXIMATELY 30" +/- AFF FOR THE WATER CLOSET FLUSH VALVE. SEE RISER DIAGRAMS FOR DETAILS AND ARCHITECTURAL SHEETS FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH THE MANUFACTURER'S EQUIPMENT PRIOR TO ROUGH-IN.
7. EXTEND 3/4" COLD WATER LINE TO WATER FILTRATION SYSTEM IN UTILITY AREA. PROVIDE ALL CHECK VALVES AND SHUT-OFF VALVES REQUIRED. HOOK UP AND COMMISSION WATER FILTRATION SYSTEMS, BOOSTER PUMP, AND REVERSE OSMOSIS (RO) SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. VERIFY ALL RESPONSIBILITIES WITH OWNER AND PLUMBING FIXTURE SCHEDULE. REFER TO "WATER FILTRATION SYSTEM" DETAIL.
8. DROP 1" HW AND CW AND 1/2" HWR LINES TO WATER HEATER, EXPANSION TANK, AND RECIRCULATING PUMP. CONTRACTOR TO FURNISH AND INSTALL WATER HEATER. REFER TO "LARGE WATER HEATER", "RECIRCULATION PUMP", AND "SMALL EXPANSION TANK" DETAILS. DISCHARGE T&P RELIEF VALVE AND OVERFLOW TO DRAIN. PROVIDE VALVE AND UNION ON INLET AND OUTLET. PROVIDE BALANCING VALVES AS REQUIRED FOR RECIRCULATING SYSTEM.
9. BEVERAGE EQUIPMENT SUPPLIER TO RUN 1/2" COLD WATER NSF 61 TUBING LINE ABOVE CEILING TO DINING ROOM FOR CONNECTION TO BEVERAGE SYSTEM. PROVIDE SHUT OFF VALVES AND BACK-FLOW PREVENTERS AS REQUIRED TO MAKE FINAL CONNECTION. COORDINATE WITH OWNER'S REPRESENTATIVE. BEVERAGE BUNDLE WHICH INCLUDES SYRUP AND FILTERED WATER LINES TO RUN OVERHEAD ABOVE CEILING. EXTEND FROM FILTER SYSTEM AND THRU 6" ESCUTCHEON PLATE IN CEILING. EXTEND OVERHEAD TO DRINK UNITS THEN DOWN THRU CEILING AND THROUGH CHASE BEHIND BEVERAGE UNIT. VERIFY RESPONSIBILITIES WITH OWNER AND FIXTURE SCHEDULE.
10. EXTEND 3/4" HOT AND COLD WATER COPPER LINES DOWN FOR THE MOP SINK/FAUCET FROM MAIN. MAKE ALL FINAL CONNECTIONS. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. MOP SINK AREA HAS 2 FAUCETS MOUNTED DIRECTLY ABOVE EACH OTHER. REFER TO CONNECTION SCHEDULE FOR MOUNTING HEIGHTS.
11. BEVERAGE EQUIPMENT INSTALLER SHALL PROVIDE NSF 61 TUBING LINES FOR COLD WATER SERVING BEVERAGE EQUIPMENT. LINES ARE SHOWN FOR REFERENCE ONLY. COORDINATE WITH OWNER'S REPRESENTATIVE.
12. ROUTE 3/4" HW TO WAREWASH MACHINE.
13. EXTEND COPPER PIPING DOWN IN WALL TO FREEZE-PROOF WALL HYDRANT-WOODFORD MODEL 65 OR EQUAL. MOUNT 18" ABOVE FINISHED GRADE. VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS.
14. 1 1/2" WATER METER AT FLOOR WITH RPZ BACKFLOW PREVENTER. PIPE DISCHARGE TO FLOOR DRAIN. EXTEND LINE TO MAIN. FIELD VERIFY EXACT LOCATION WITH WATER COMPANY.
15. PROVIDE WATER BOX FOR FILTERED AND REVERSE OSMOSIS WATER LINES SERVING THE COMBI OVEN PER THE "COMBI OVEN WATER ROUGH-IN" DETAIL.

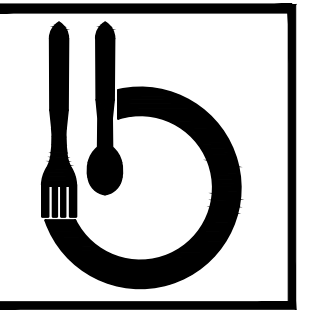


MAINTAIN SEPARATION BETWEEN UCO, SANITARY LINES, VENT LINES, AND WATER LINES IN THIS WALL. MAINTAIN SEPARATION BETWEEN THE USED COOKING OIL LINE, VENT LINES, AND DOMESTIC WATER LINES. ROUTE HOSE BIBB BELOW USED COOKING OIL LINE.

PLUMBING PLAN - DOMESTIC WATER 1
1/4" = 1'-0"

SITE NUMBER:	13952
BASE MODEL:	GLOBAL NEXT GEN
ASSET TYPE:	FRANCHISE
CLASSIFICATION:	NRO
OWNER:	BRIDGEMAN FOODS II, INC.
BASE VERSION:	NEXT GEN 30
UPGRADE CLASSIFICATION:	FRAN NEW BASE
PROJECT YEAR:	2023
FURNITURE PACKAGE:	NEXT GEN 30
DESIGN BULLETINS:	DB 2022-07

PROJECT TYPE: NRO



Bridgeman Foods II, Inc.

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phone (502) 254-7130
jrawlings@bfcpanies.com

Wendy's
COMMONS CIRCLE
Plover, WI 54467

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ISSUE DATE: 02/10/23
DRAWN BY: BH
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Signature: _____
Date: 02/10/2023
Expiration Date: 07/31/2024

SHEET NAME
PLUMBING PLAN - DOMESTIC WATER

SHEET NUMBER

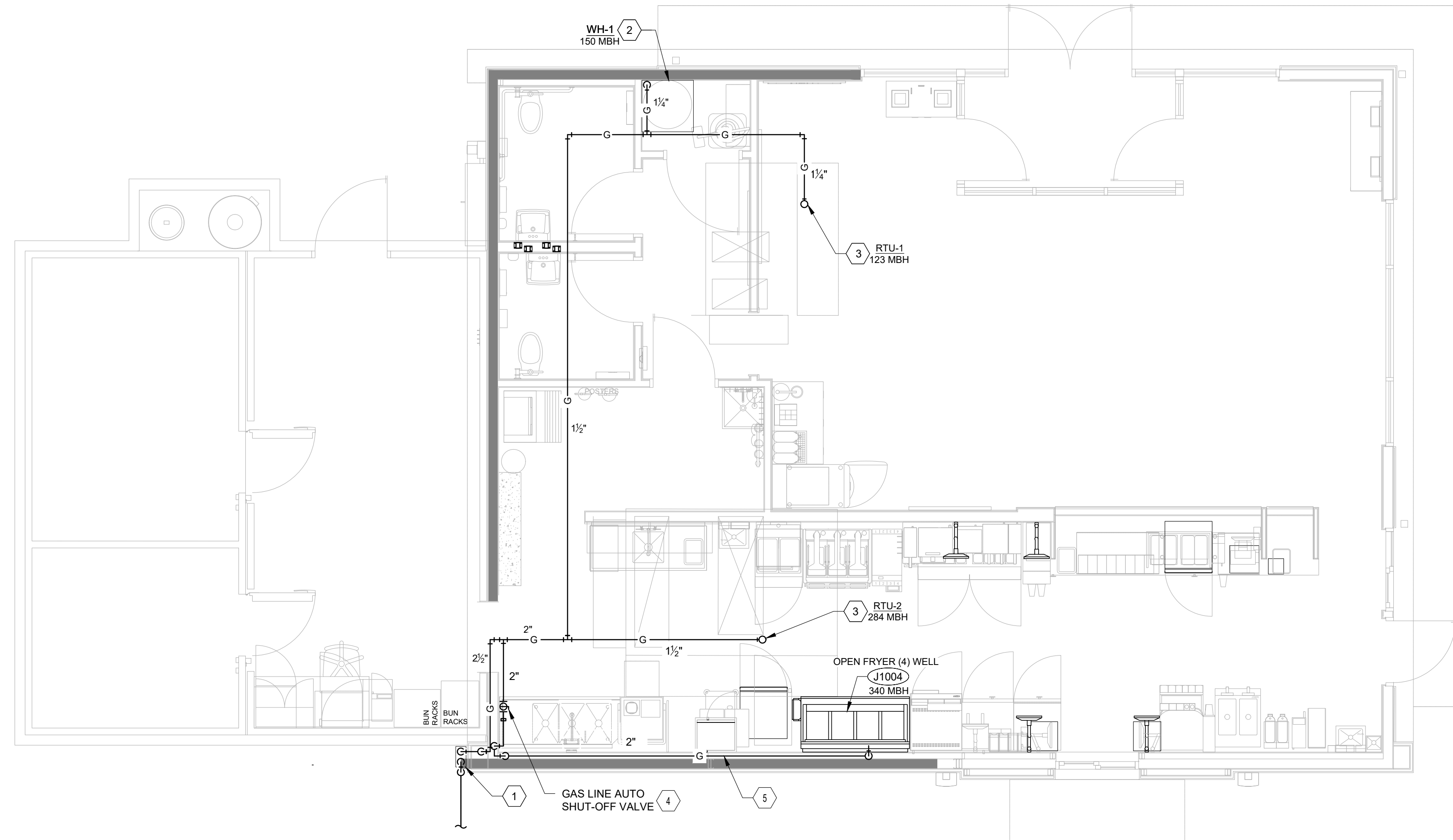
P1.2

- # CODED NOTES:
1. GAS SERVICE AND METER SETTING SIZED PER GAS COMPANY REQUIREMENTS FOR MAX CONNECTED LOADS AS SHOWN IN "NATURAL GAS CALCULATIONS" TABLE WITH TOTAL DEVELOPED LENGTH, INCLUDING FITTINGS, VALVES, ETC. OF 176 LINEAR FEET AND A TOTAL SYSTEM PRESSURE DROP OF 0.3" W.C. WITH 14" W.C. DELIVERED AT THE METER. HOLD GAS METER AND NATURAL GAS LINES TIGHT TO BUILDING. REFER TO "GAS SERVICE" DETAIL.
 2. ROUTE NATURAL GAS LINE DOWN TO WATER HEATER AS SHOWN PER PLAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. REFER TO "LARGE WATER HEATER" DETAIL.
 3. ROUTE NATURAL GAS UP THROUGH ROOF TO TO ROOFTOP EQUIPMENT AS SHOWN PER PLAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION. REFER TO "ROOFTOP UNIT GAS CONNECTION" DETAIL. GAS LINES ON ROOF ARE TO BE PAINTED SAFETY YELLOW. GAS LINES MUST BE ROUTED TO ALLOW FULL ACCESS TO RTU EQUIPMENT.
 4. PROVIDE ELECTRICALLY OPERATED GAS VALVE FOR EMERGENCY SHUTOFF ON GAS COOKING LOCATIONS.
 5. REFER TO "NATURAL GAS COOKING LINE" DETAIL. GAS LINE BEHIND COOKING EQUIPMENT CANNOT PROTRUDE MORE THAN 3" FROM THE WALL.

NATURAL GAS CALCULATIONS

EQUIPMENT	MBH
ROOFTOP EQUIPMENT:	
RTU-1	284
RTU-2	123
WATER HEATING	
WH-1	150
GAS COOKLINE	
OPEN FRYER 4WELL (J1004)	340
TOTAL GAS LOAD (MBH)	897

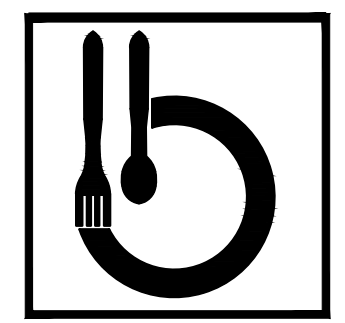
VERIFY PRESSURE AVAILABLE AT METER AND REQUIREMENTS FOR THE SPECIFIC EQUIPMENT INSTALLED ON SITE PRIOR TO STARTING WORK. MANY OUTDOOR AIR UNIT MODELS REQUIRE HIGHER MINIMUM INLET PRESSURES TO OPERATE. OBTAIN ADEQUATE PRESSURE AT THE METER AND PROVIDE REGULATORS AS REQUIRED AT EACH PIECE OF EQUIPMENT PER THE MANUFACTURER LISTED GAS PRESSURE INLET RANGE.



PLUMBING PLAN - NATURAL GAS
1/4" = 1'-0" 1

SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
 FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



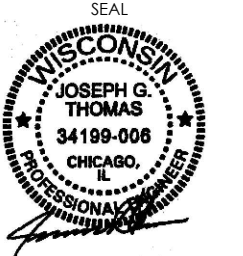
Bridgeman Foods II, Inc.

3309 Collins Lane
 Louisville, Kentucky 40245
 phone (502) 254-7130
 jrawlings@bfccompanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

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 ISSUE DATE: 02/10/23
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 CHECKED BY: SK



Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME
PLUMBING PLAN - NATURAL GAS

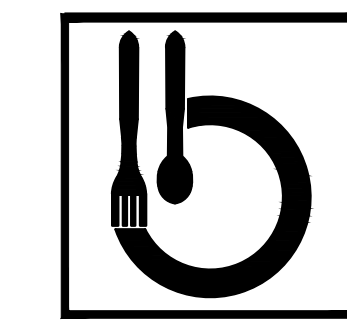
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SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
 FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE:
 NRO



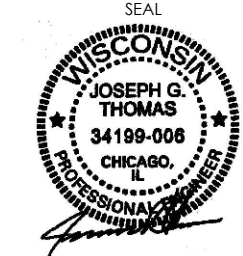
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 ISSUE DATE: 02/10/23
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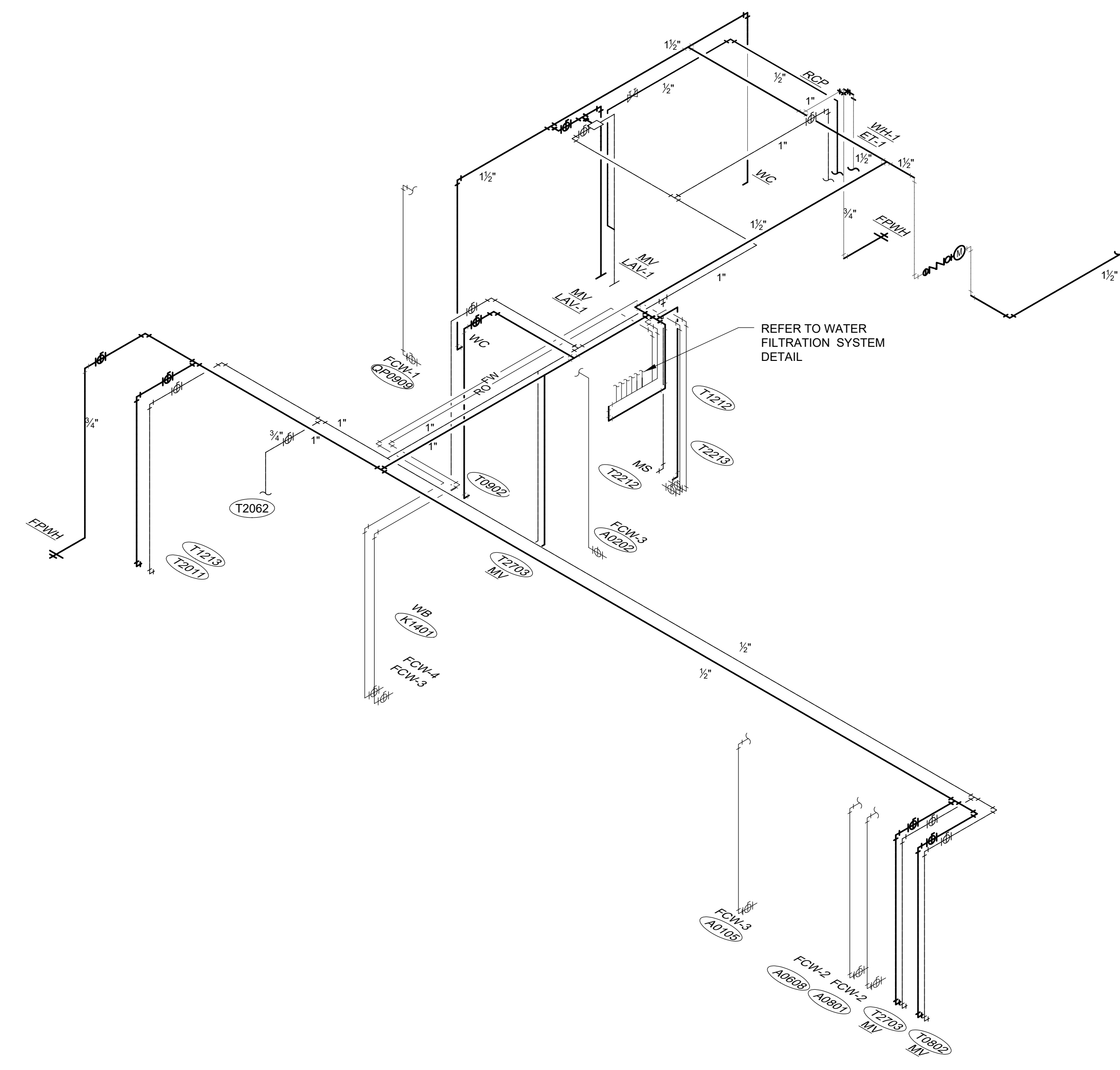


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 Date: 02/10/2023
 Expiration Date: 07/31/2024

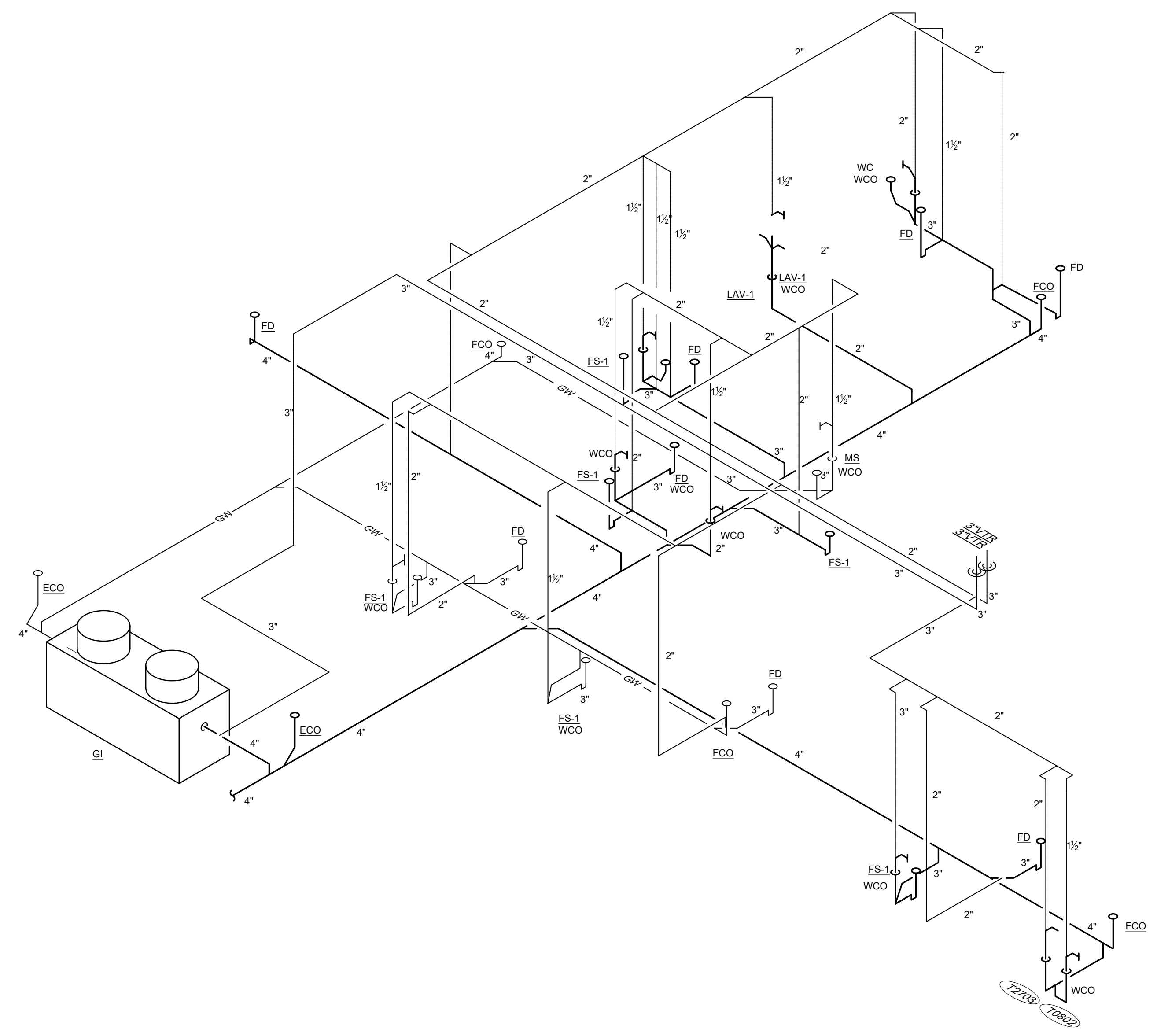
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 PLUMBING RISERS

SHEET NUMBER:

P2.0



PLUMBING RISER - DOMESTIC WATER (1)
 NTS

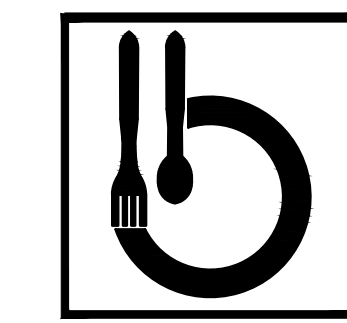


PLUMBING RISER - SANITARY WASTE & VENT (1)
 NTS

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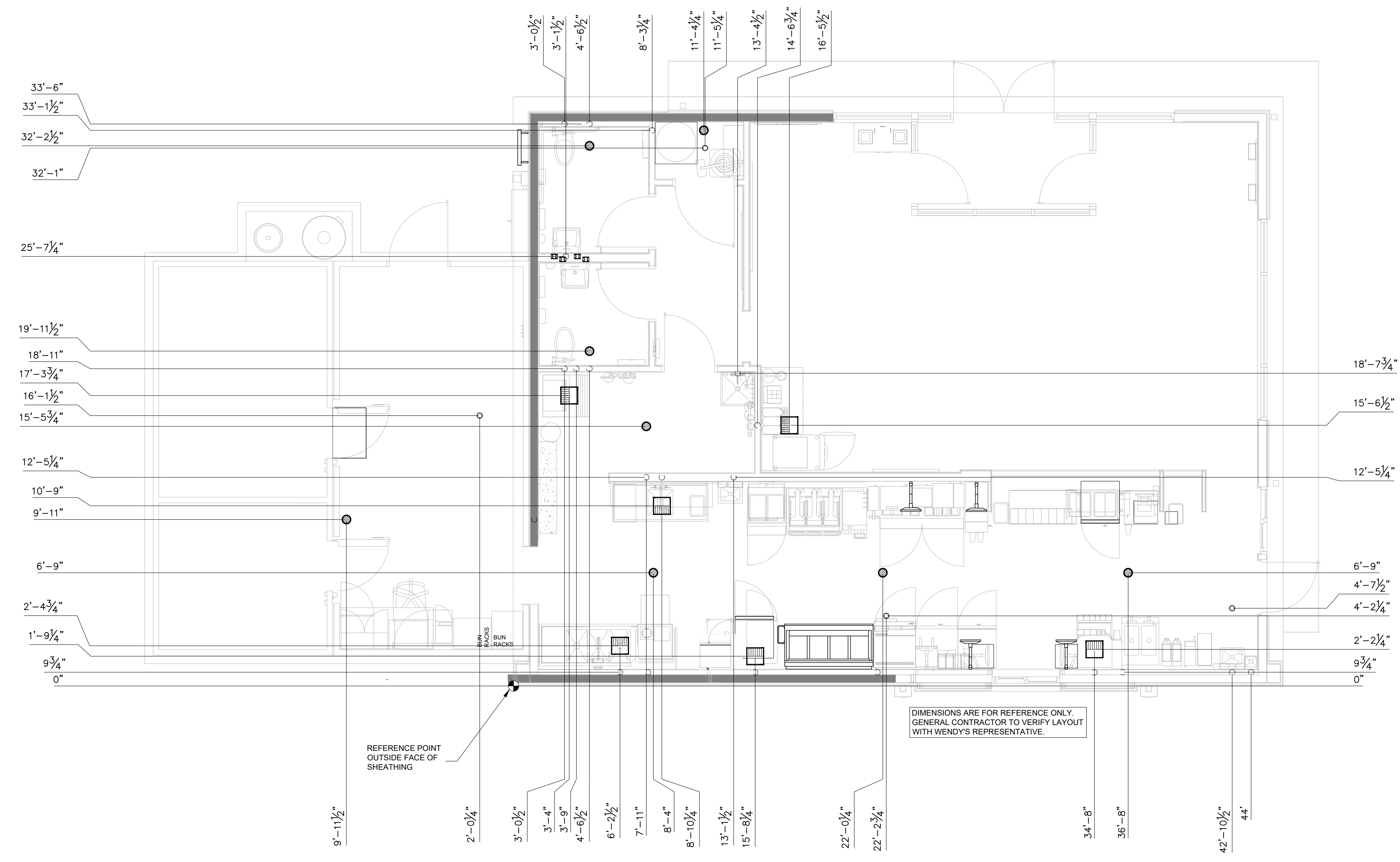
SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
 FRAN NEW BASE
 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE:
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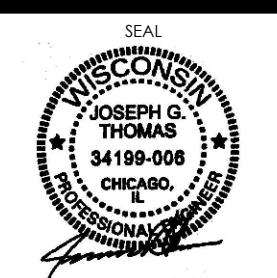


PLUMBING PLAN - DIMENSION CALLOUT 1
 1/4" = 1'-0"

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

#	DATE	REMARK
TAG_A	DATE_A	DESCRIPTION_A
TAG_B	DATE_B	DESCRIPTION_B
TAG_C	DATE_C	DESCRIPTION_C
TAG_D	DATE_D	DESCRIPTION_D
TAG_E	DATE_E	DESCRIPTION_E

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 CHECKED BY: SK



Signature
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME
 PLUMBING DIMENSION
 PLAN

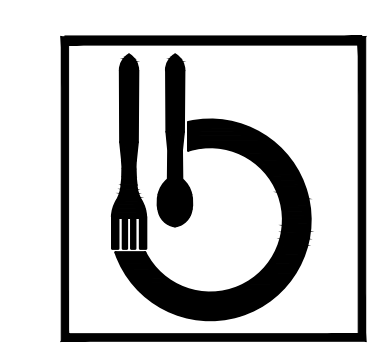
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P3.0

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SITE NUMBER: 13952
 BASE MODEL: GLOBAL NEXT GEN
 ASSET TYPE: FRANCHISE
 CLASSIFICATION: NRO
 OWNER: BRIDGEMAN FOODS II, INC.
 BASE VERSION: NEXT GEN 30
 UPGRADE CLASSIFICATION:
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 PROJECT YEAR: 2023
 FURNITURE PACKAGE: NEXTGEN 30
 DESIGN BULLETINS: DB 2022-07

PROJECT TYPE: NRO



Bridgeman Foods II, Inc.

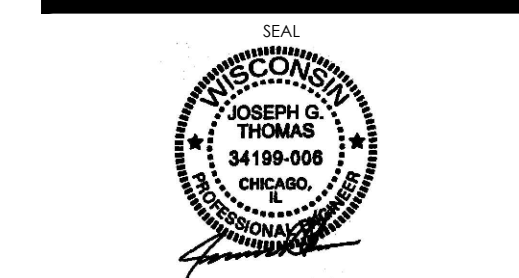
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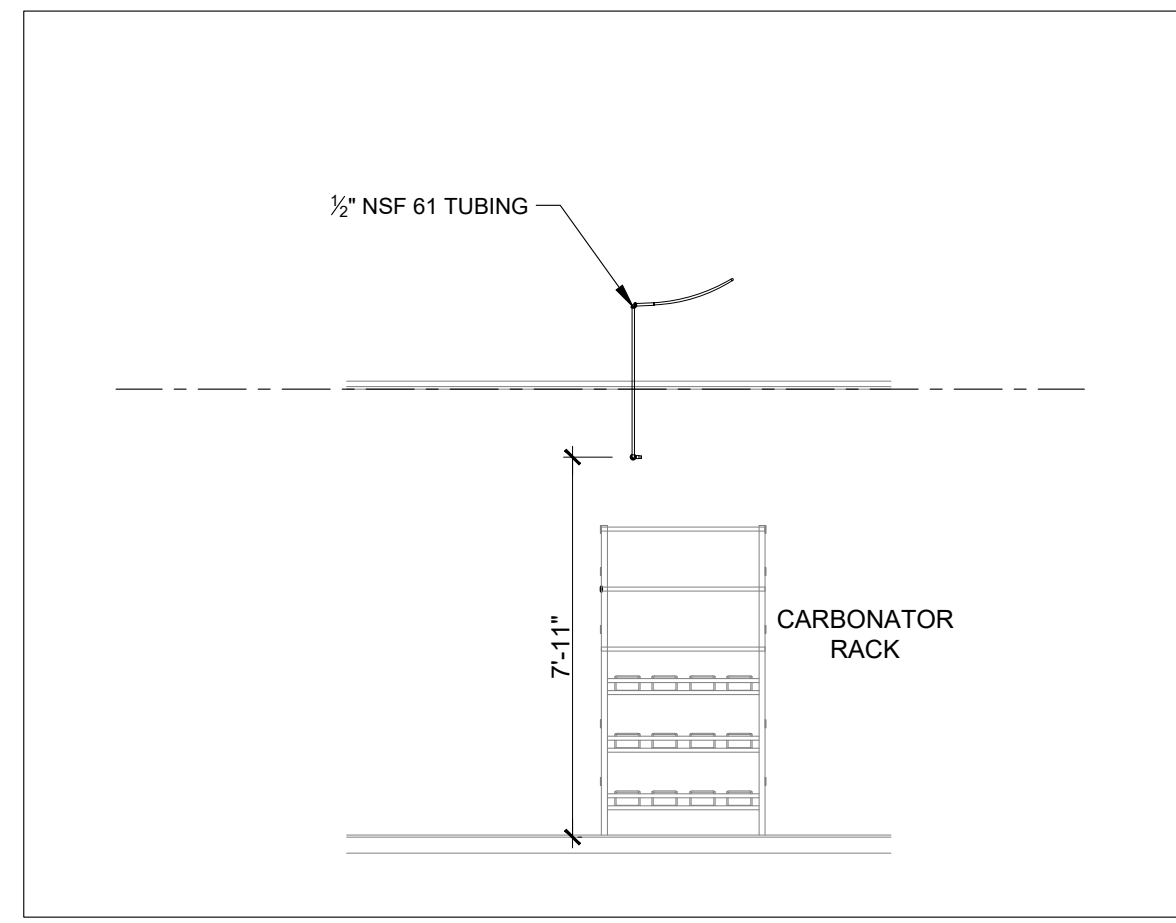
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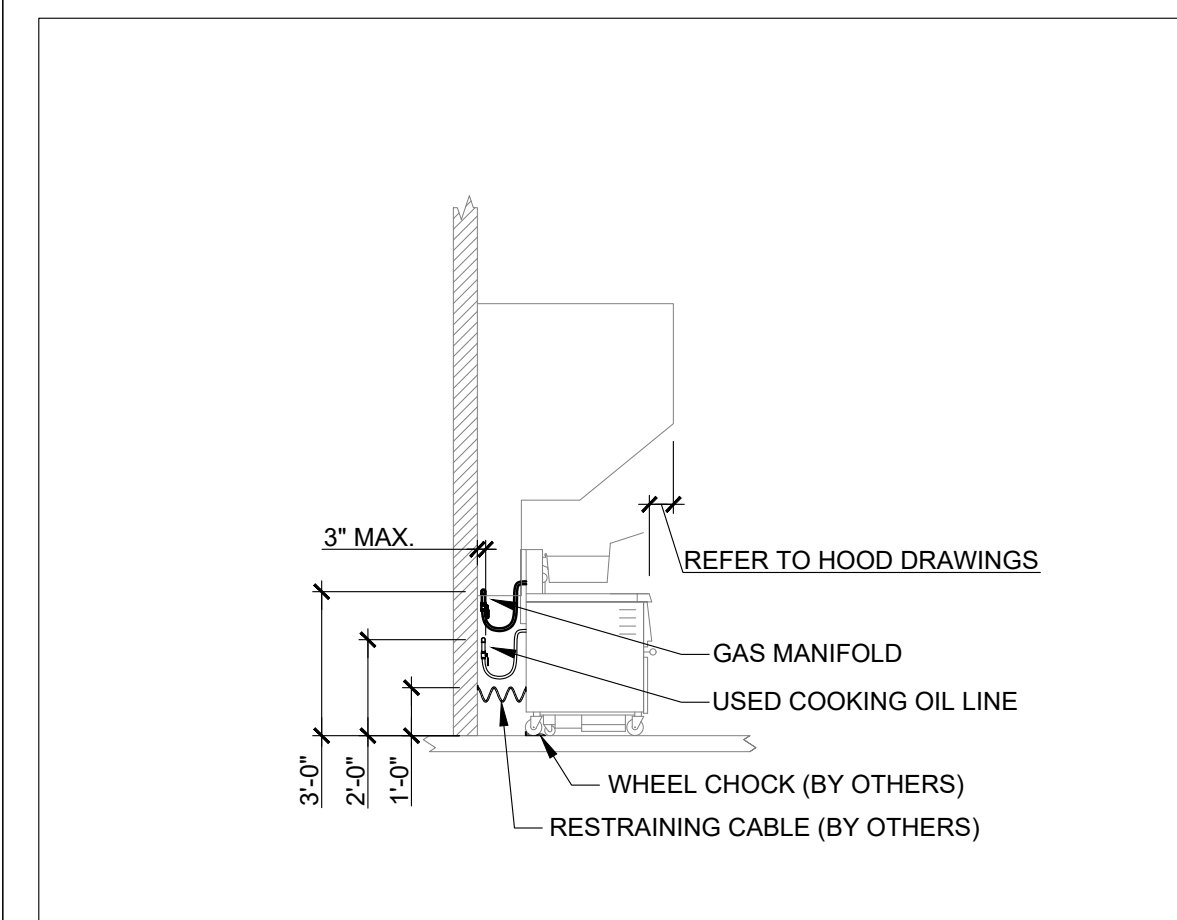
Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

SHEET NAME: PLUMBING DETAILS

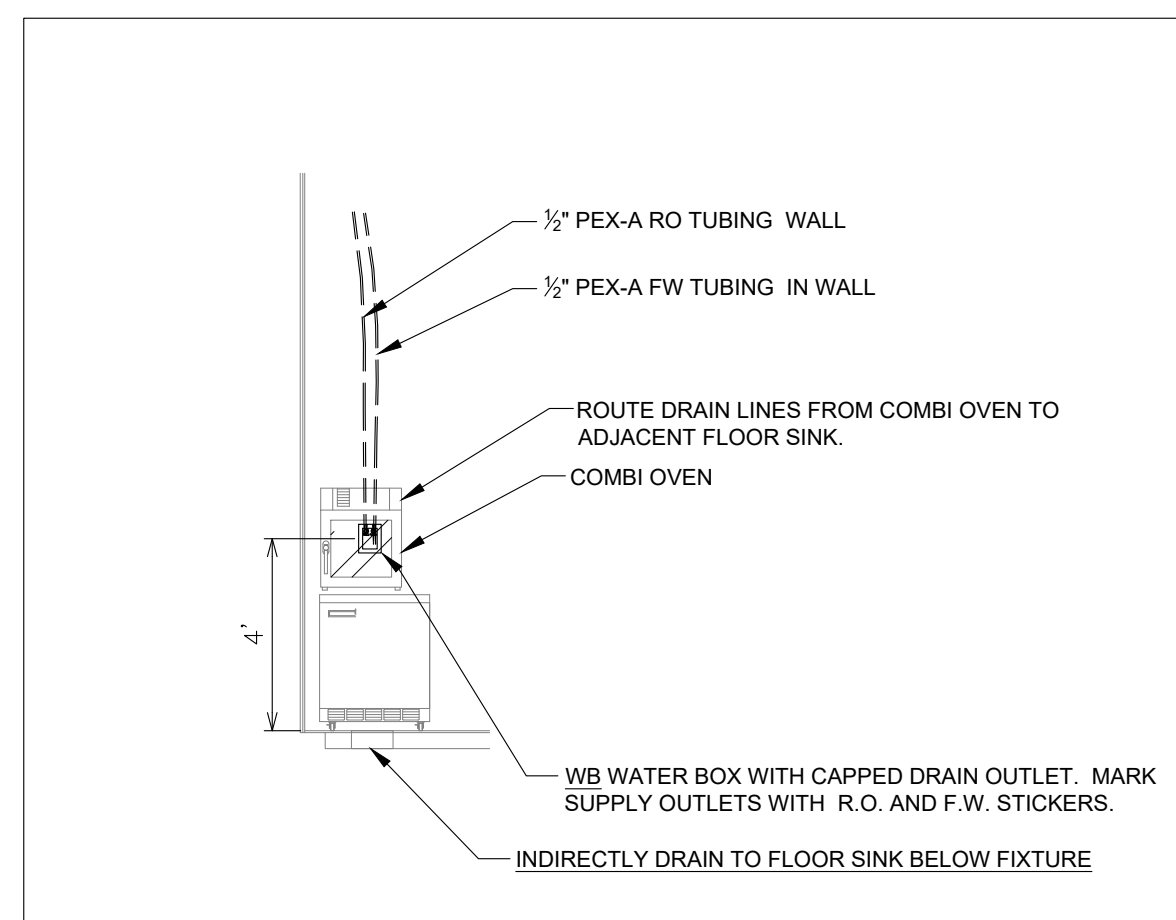
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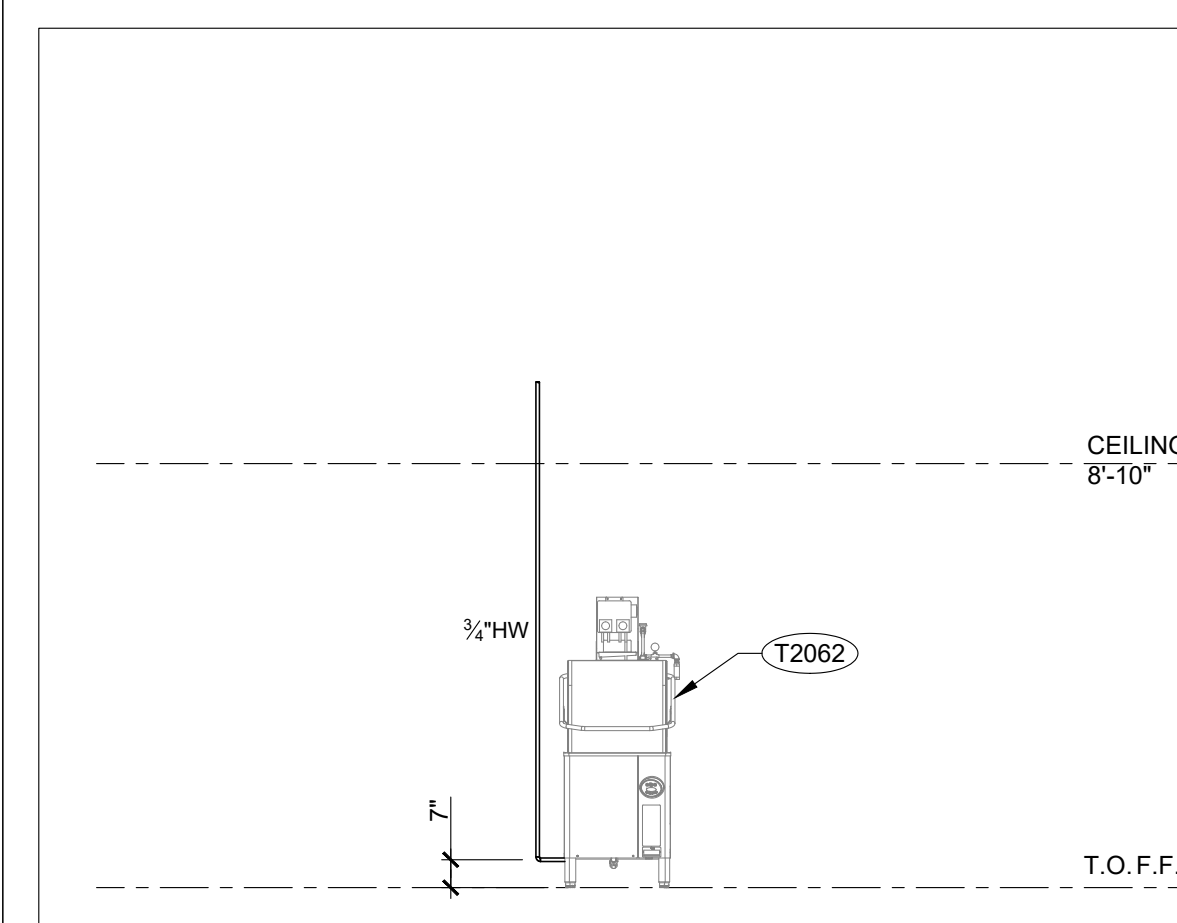
CARBONATOR RACK ROUGH-IN (7)
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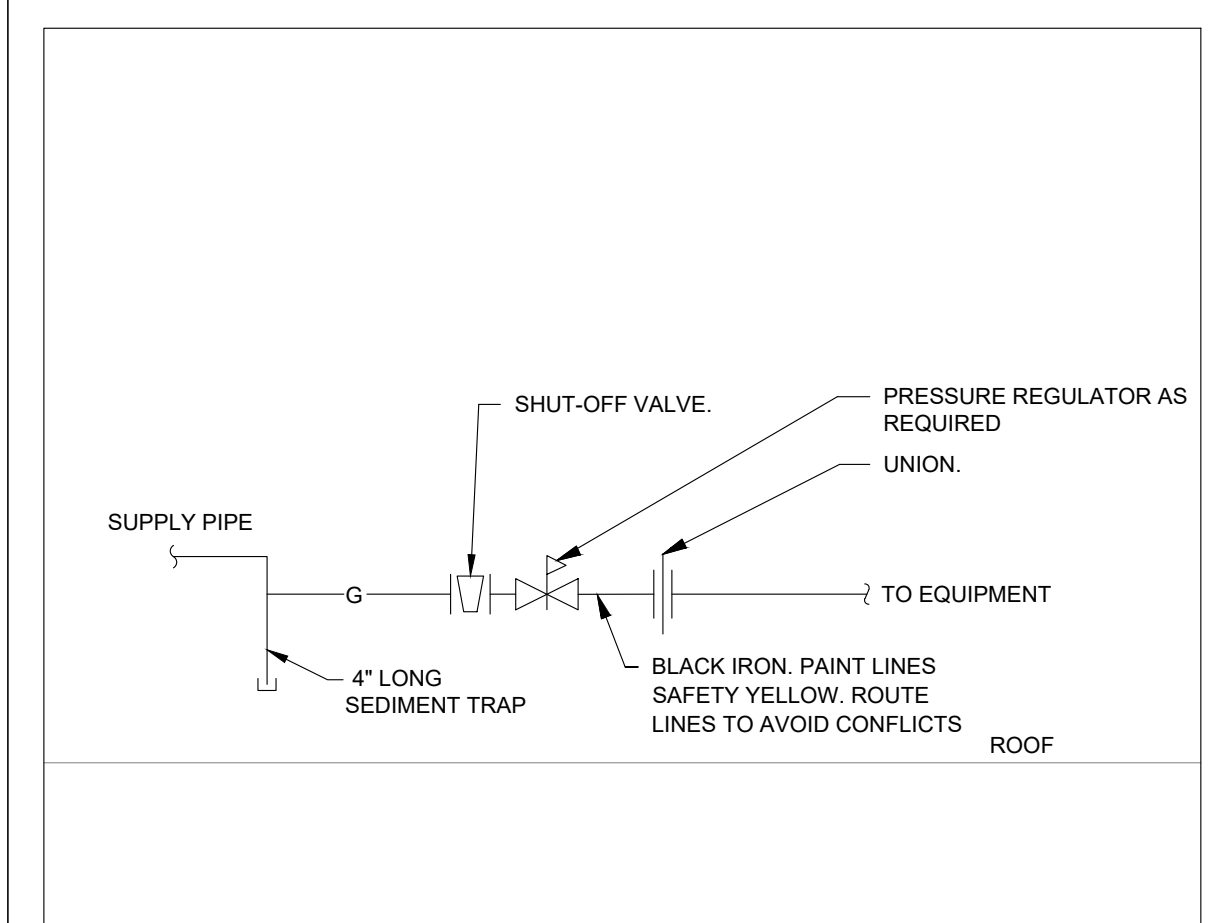
GAS FRYER INSTALLATION (9)
 NOT TO SCALE



COMBI OVEN WATER ROUGH-IN (6)
 NOT TO SCALE



WAREWASH W/ BOOSTER HEATER (8)
 NOT TO SCALE



ROOFTOP UNIT GAS CONNECTION (1)
 NOT TO SCALE

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PLUMBING SPECIFICATIONS

20500 GENERAL PROVISIONS

- A. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL A PLUMBING SYSTEM COMPLETE AS INDICATED ON THE DRAWINGS, AS REQUIRED BY CODE AND AS SPECIFIED HEREIN.
- B. WITHOUT RESTRICTING THE GENERALITY OF THE FIRST STATEMENT, THE WORK TO BE PERFORMED UNDER THIS DIVISION SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
- PLUMBING WORK AS DESCRIBED IN SECTIONS 220500 THROUGH 224000.
- C. THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED, IS TO PROVIDE POWER WIRING FOR EACH ITEM OF ELECTRICAL EQUIPMENT AND MAKE FINAL CONNECTIONS TO MOTORS.
- D. ALL FINISH PAINTING IS TO BE PERFORMED BY THE GENERAL CONTRACTOR, EXCEPT AS NOTED ELSEWHERE. THIS CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ANY PAINTING DEFACED BY THIS CONTRACTOR AFTER ORIGINAL PAINTING.
- E. ALL WORK SHALL CONFORM TO CODES, RULES, AND REGULATIONS:
- INTERNATIONAL PLUMBING CODE.
 - INTERNATIONAL BUILDING CODE.
 - INTERNATIONAL FIRE CODE.
 - CERTAIN CODES AND STANDARDS AS SET UP BY VARIOUS TECHNICAL SOCIETIES SUCH AS ASME, ASHRAE, ASTM, SMACNA, ARI, AABC, OR IEEE.
 - FEDERAL OCCUPATIONAL SAFETY AND HEALTH STANDARDS.
 - LOCAL INSPECTOR'S REQUIREMENTS.
 - STATE INDUSTRIAL COMMISSION REQUIREMENTS.
 - BUILDING INSURING AGENCY REQUIREMENTS.
- F. ALL PERMITS REQUIRED BY LAWS, ORDINANCES AND BUILDING CODES HAVING JURISDICTION SHALL BE OBTAINED AT THE PROPER TIME BY AND AT THE EXPENSE OF THIS CONTRACTOR.
- G. THIS CONTRACTOR SHALL OBTAIN ALL INSPECTIONS REQUIRED BY ALL LAWS, ORDINANCES AND PUBLIC AUTHORITY HAVING JURISDICTION AND SHALL OBTAIN CERTIFICATES OF SUCH INSPECTIONS AND SUBMIT SAME TO THE ARCHITECT AND SHALL PAY ALL FEES, CHARGES, ASSESSMENTS AND OTHER EXPENSES IN CONNECTION THEREWITH.
- H. PIPING AND EQUIPMENT LAYOUT IS SCHEMATIC. EXACT LOCATIONS ARE DETERMINED BY STRUCTURAL AND OTHER CONDITIONS. DESIGN OF SYSTEM MAY NOT BE CHANGED, ONLY EXACT LOCATION OF PIPING MAY BE REVISED TO SUIT CONSTRUCTION CONDITIONS AND AID IN COORDINATION WITH WORK OF OTHER CONTRACTORS.
- I. THE MATERIALS AND EQUIPMENT INSTALLED IN THE WORK SHALL MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND NO MATERIALS OR EQUIPMENT SHALL BE ORDERED UNTIL REVIEWED BY THE ENGINEER AND/OR ARCHITECT.
- J. THIS CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE DOCUMENTS PROVIDED BY THE OWNER/ARCHITECT/CONTRACTOR.
- EXPANSION TANK
 - DRAINS AND CLEANOUTS
 - VALVES
 - ALL PLUMBING FIXTURES, FAUCETS AND FITTINGS
 - WATER HEATER
 - PIPE INSULATION
 - GREASE INTERCEPTOR
- K. CATALOG DATA FOR EQUIPMENT REVIEWED BY THE ARCHITECT SHALL NOT SUPERSEDE THE ENGINEER'S CONTRACT DOCUMENTS. THE REVIEW OF THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS, PROVIDING PROPER CLEARANCE FABRICATION PROCESS AND COORDINATION WITH OTHER TRADES.
- L. WHEN SUBMITTED FOR THE ARCHITECT'S REVIEW, SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S CERTIFICATION THAT THEY HAVE REVIEWED, CHECKED AND APPROVED THE SHOP DRAWINGS, THAT THEY ARE IN HARMONY WITH THE REQUIREMENTS OF THE PROJECT AND WITH THE PROVISIONS OF THE CONTRACT DOCUMENTS AND THAT THEY HAVE VERIFIED ALL FIELD MEASUREMENTS AND CONSTRUCTION CRITERIA. MATERIALS, CATALOG NUMBERS AND SIMILAR DATA. CONTRACTOR SHALL ALSO CERTIFY THAT THE WORK REPRESENTED BY THE SHOP DRAWINGS IS RECOMMENDED BY THE CONTRACTOR AND THE CONTRACTOR'S GUARANTEE WILL FULLY APPLY.
- M. ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL CONDITIONS THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT. THE SUBMITTING OF A BID AUTOMATICALLY IMPLIES THAT THIS EXAMINATION OF SITE HAS BEEN DONE.
- N. CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND NOTE CONDITIONS WHICH WOULD AFFECT THE WORK. ALL DISCREPANCIES SHALL THEN BE REPORTED PRIOR TO THE BID AWARD.
- O. PROVIDE INSTRUCTION TO OWNER'S OPERATING PERSONNEL AS NECESSARY, SHOWING LOCATIONS AND PROPER OPERATION OF MAJOR ITEMS OF EQUIPMENT AND SYSTEM COMPONENTS AND REFERRING TO THE OPERATING INSTRUCTION MANUAL DESCRIBED BELOW AS A GUIDE.
- P. COMPILE A WRITTEN MANUAL OF OPERATING INSTRUCTIONS INCLUDING COPIES OF SHOP DRAWINGS AND A LISTING OF EQUIPMENT SUPPLIERS. ASSEMBLE IN 8-1/2" X 11" HARD BACKED INDEXED BINDER. MATERIAL SHALL BE AS FOLLOWS:
- TITLE PAGE: TITLE OF JOB, TENANT, ADDRESS, DATE OF SUBMISSION, CONTRACTOR AND ENGINEER.
 - INDEX.
 - LIST OF MAJOR EQUIPMENT USED IN PROJECT ACCOMPANIED BY CONTRACTOR PURCHASE ORDER NUMBERS AND SUPPLIERS NAMES AND ADDRESSES.
 - ONE COPY OF EACH SHOP DRAWING GROUPED BY TYPES OF EQUIPMENT, I.E., PLUMBING FIXTURES, VALVES, ETC.
 - SECTION FOR EACH SYSTEM INCLUDING:
 - BRIEF DESCRIPTION OF SYSTEM OPERATION WITH LOCATION OF MAJOR COMPONENTS.
 - LIST OF ITEMS IN SYSTEM REQUIRING PERIODIC SERVICE.
- Q. SUBMIT A COMPLETED COPY TITLED "PLUMBING OPERATING INSTRUCTION MANUAL" ON THE BINDING EDGE OF BINDER TO ARCHITECT FOR APPROVAL. AFTER ARCHITECT'S REVIEW AND ANY CORRECTIONS REQUIRED ARE COMPLETED, SUBMIT A COPY OF THE MANUAL, TO THE OWNER.

220502 FIRESTOPPING

- A. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING AROUND ALL OPENINGS FOR PIPES, DUCTS, CONDUITS ETC., INSTALLED BY CONTRACTOR AT ALL FIRE WALLS. FIRESTOPPING SHALL BE PERFORMED BY AN INSTALLER WHO HAS BEEN TRAINED BY THE MANUFACTURER, OR MANUFACTURER'S REPRESENTATIVE, IN THE INSTALLATION PROCEDURES BASED ON PUBLISHED UL TESTED FIRE STOP SYSTEMS.
- B. FIRESTOPPING SHALL MEET THE REQUIREMENTS OF ASTM E-814 OR UL 1479 FIRE TESTS BY A RECOGNIZED TESTING AGENCY. FIRESTOPPING SHALL ALSO CONFORM TO THE FOLLOWING GOVERNING CODES: INTERNATIONAL BUILDING CODE, NFPA 101- LIFE SAFETY CODE & NFPA 70 - NATIONAL ELECTRIC CODE.
- C. PENETRATION
- CLEAN PENETRATION HOLES OF DIRT, LOOSE MATERIALS AND FOREIGN MATTER WHICH MAY AFFECT BOND OR INSTALLATION.
 - REMOVE COATINGS SUCH AS PAINT, CURING COMPOUNDS, WATER REPELLENT & SEALERS AS REQUIRED.
 - INSTALL BACKING MATERIALS TO PREVENT LIQUID MATERIAL LEAKAGE.
- D. APPLICATION
- PREPARE AND APPLY PENETRATION SEALING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.
 - EMPLOY INSTALLATION TECHNIQUES WHICH WILL ENSURE THAT FIRESTOPPING IS DEPOSITED TO FILL AND SEAL HOLES AND OPENINGS.
 - TOOL EXPOSED SURFACES OF APPLIED SEALANT TO SMOOTH FINISH.
 - PROTECT MATERIALS FROM DAMAGE ON SURFACES SUBJECTED TO TRAFFIC.
- E. PROVIDE INTUMESCENT SEALANTS AND COLLARS AT OPENINGS INVOLVING PLASTIC OR INSULATED PIPE SIMILAR TO THE METACAULK SERIES 880 AND 950.
- F. FIRESTOPPING BY DOW CORNING, 3M, HILTI OR METACAULK MAY FURNISHED AT THE CONTRACTOR'S OPTION.

220529 PIPE ANCHORS, HANGERS AND SUPPORTS

- A. ALL PIPING SHALL BE SEPARATELY HUNG AND SUPPORTED FROM APPROVED STRUCTURAL MEMBERS OR CONCRETE OVERHEAD STRUCTURE ONLY. NO PIPE SHALL BE HUNG FROM ROOF DECK, PIPE, DUCTS OR OTHER COMPONENTS OR EQUIPMENT OF OTHER TRADES.
- B. PROVIDE LISTED/APPROVED ADJUSTABLE HANGERS, INSERTS, BRACKETS, CLAMPS, SUPPLEMENTARY STEEL AND OTHER DEVICES REQUIRED FOR PROPER SUPPORT OF ALL PIPE LINES.
- C. HANGERS SHALL BE DESIGNED TO ALLOW FOR EXPANSION AND CONTRACTION AND TO ALLOW INSULATION (WHERE APPLICABLE) TO RUN CONTINUOUSLY THROUGH HANGERS.
- D. WIRE OR STRAP HANGERS ARE NOT PERMITTED. ADJUST HANGERS SO AS TO DISTRIBUTE WEIGHT LOAD EQUALLY ON ATTACHMENTS.
- 220548 PLUMBING SYSTEM TESTING
- A. SYSTEM TESTING SHALL PROVIDE FOR THE FOLLOWING:
- TEST NEW INTERIOR DOMESTIC WATER SYSTEM.
 - TEST ALL SOIL, WASTE, AND VENT PIPING.
 - FURNISH ALL PUMPS FOR AIR AND WATER PRESSURE TESTS ALONG WITH GAUGES AND ANY OTHER REQUIRED TEST EQUIPMENT.
 - UNDERGROUND LINES TO BE TESTED BEFORE BEING CONCEALED. CONTRACTOR SHALL REPAIR ANY LEAKS AND ALL DAMAGE RESULTING THEREFROM.
 - CHANGES IN AMBIENT TEMPERATURE WILL BE TAKEN INTO ACCOUNT WHEN TESTING UNDERGROUND PIPING. HOWEVER, THE VARIOUS SYSTEMS SHALL BE THOROUGHLY INSPECTED FOR LEAKS BEFORE HYDROSTATIC PRESSURE TESTS ARE CONCLUDED.
 - INTERIOR WATER PIPING: HYDROSTATIC TEST AT 125 PSI AWWA PROCEDURES AND TO THE SATISFACTION OF LOCAL AUTHORITY HAVING JURISDICTION.
 - SOIL, WASTE, AND VENT PIPING SHALL BE WATER AND SMOKE OR AIR TIGHT (STATE PLUMBING CODE).
- B. MEASURE LEAKAGE BY METERING WATER REQUIRED TO MAINTAIN LINE PRESSURE. REMOVE AIR BEFORE TESTING.
- C. REPAIR ANY LEAKING JOINTS AND DEMONSTRATE ACCEPTABLE LEAKAGE TO SATISFACTION OF OWNER'S REPRESENTATIVE AND APPROVING AUTHORITY. FLUSH ALL PIPING BEFORE PLACING INTO OPERATION.

220550 STERILIZATION

- A. STERILIZE NEW DOMESTIC WATER LINES AFTER INSTALLATION.
- B. FURNISH A CERTIFICATE OF STERILIZATION AND APPROVAL FOR HUMAN CONSUMPTION TO BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THIS STATE, REGULARLY EMPLOYED BY THE TESTING LABORATORY. CERTIFICATE MUST BE GIVEN TO THE ARCHITECT AND OWNER BEFORE FINAL PAYMENT WILL BE MADE.
- C. STERILIZATION SHALL BE BY MEANS OF CHLORINE INJECTED INTO THE WATER SYSTEM NEAR THE SOURCE AND OUTLETS THROUGHOUT THE SYSTEM SHALL BE TESTED TO PROVE PRESENCE OF MINIMUM REQUIREMENTS. LEAVE CHLORINE IN FOR 24 HOURS AND FLUSH OUT SYSTEM UPON COMPLETION OF WORK. STERILIZATION PROCEDURE SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE.
- D. STERILIZATION SHALL BE PERFORMED UNDER THE IMMEDIATE SUPERVISION OF A WATER TESTING LABORATORY REGULARLY ENGAGED IN THE SERVICE AND SHALL BE DONE ACCORDING TO THEIR INSTRUCTIONS.

220560 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

- A. STENCILS, LABELS, TAGS, AND COLOR CODES SHALL CONFORM TO ANSI A13.
- B. PRODUCTS SHALL BE SETON. EQUAL PRODUCTS BY BRADY MAY BE FURNISHED AT CONTRACTOR'S OPTION.
- C. STENCILS FOR EQUIPMENT SHALL BE REUSABLE AND HAVE 1" HIGH CHARACTERS. CHARACTERS SHALL BE PAINTED WHITE OVER A BLACK BACKGROUND. STENCIL ONLY AFTER FINAL PAINTING IS COMPLETE. CHARACTERS SHALL BE LEGIBLE FROM FLOOR. APPLY CLEAR ACRYLIC, LACQUER, OR VARNISH OVER THE FINISHED STENCIL.
- D. FOR PIPING PROVIDE ANSI STANDARD COLOR FLEXIBLE VINYL LABELS WITH PERMANENT PRESSURE SENSITIVE ADHESIVE BACK. LABEL SHALL BE OF SUFFICIENT LENGTH TO ENIRCLE THE PIPE (AND INSULATION WHEN APPLICABLE) AND OVERLAP ON ITSELF. EACH LABEL SHALL HAVE AT LEAST ONE FLOW DIRECTION ARROW AND SHALL BE PERMANENTLY LABELED WITH PIPE CONTENT.
- E. SYSTEM PIPING TO LABELED SHALL INCLUDE THE FOLLOWING:
- DOMESTIC WATER (INCLUDING COLD, HOT, RECIRCULATING, FILTERED, AND REVERSE OSMOSIS)
 - SANITARY WASTE AND VENT (ABOVE GRADE ONLY)
 - NATURAL GAS
 - USED COOKING OIL
- F. DOMESTIC WATER PIPING SHALL BE LABELED ON EXTERIOR OF INSULATION IN ACCORDANCE WITH ANSI A13.
- G. PIPING, VALVES, DRAINS, CONTROL PANELS AND SIMILAR EQUIPMENT SHALL BE IDENTIFIED AS TO FUNCTION AND SYSTEM NUMBER AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW:

IDENTIFICATION ITEM : TYPE
 PIPING : STENCIL OR PIPE LABEL
 VALVES : TAG
 PIPING SPECIALTY : TAG
 WATER HEATER AND OTHER EQUIPMENT : STENCIL

- H. IDENTIFY PIPE LINES WITH STENCIL OR PIPE LABEL WITH COLOR CODED BANDS AT THE FOLLOWING LOCATIONS:
- AT EQUIPMENT CONNECTION AT EACH VALVE.
 - AT BOTH SIDES OF WALLS THROUGH WHICH PIPE PASSES.
 - AT EVERY 20 FT. INTERVAL ON CONTINUOUS PIPE LINES.
 - AT EACH BRANCH CONNECTION.
 - SHOW FLOW DIRECTION ARROWS AT EACH IDENTIFICATION POINT.

220700 INSULATION

- A. PIPE INSULATION AND APPURTENANCES AND COVERINGS ON PIPES USED IN CHASES, SHAFTS OR OTHER CONCEALED SPACES IN TYPES 1 AND 2 CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING TWENTY-FIVE (25) AND IN TYPE 3 AND 4 CONSTRUCTION NOT EXCEEDING SEVENTY-FIVE (75) AND A SMOKE DEVELOPED RATING NOT EXCEEDING FIFTY (50).
- B. INSULATION SHALL BE RIDGE ONE-PIECE FIBERGLASS PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 547, SELF-SEALING ADHESIVE LAP LONGITUDINAL JOINTS AND BUTT STRIPS FOR TRANSVERSE JOINTS. JACKETING SHALL CONFORM TO ASTM C 1136, TYPE I, MAXIMUM VAPOR TRANSMISSION RATING OF 0.02 PERM WHEN TESTED ACCORDING TO ASTM E 96, PROCEEDURE A. (K) VALVE) 0.25 BUTIN./HR. * FT2 * FT AT 75°F MEAN TEMPERATURE WITH A MINIMUM R-VALUE OF R4.
- PROVIDE INSULATION THICKNESS AS INDICATED:
 DOMESTIC COLD WATER PIPING 1" AND SMALLER: 1/2" THICKNESS
 DOMESTIC COLD WATER PIPING 1-1/4" - 1-1/2": 3/4" THICKNESS
 DOMESTIC COLD WATER 2" AND LARGER: 1" THICKNESS
 DOMESTIC HOT WATER PIPING 3/4" AND SMALLER: 1" THICKNESS
 DOMESTIC HOT WATER PIPING 1" - 1-1/2": 1-1/2" THICKNESS
 PLUMBING VENT PIPING WITHIN 6 FEET OF ROOF OUTLET: 1" THICKNESS
 CONDENSATE PIPING: 1/2" THICKNESS
 USED COOKING OIL : 1" THICKNESS
- C. GLUE IN PLACE WITH SCHULLER U-GLUE.
- D. THE FITTINGS SHALL BE INSULATED WITH SCHULLER ZESTON INSULATION AND HAVE FACTORY PRE-MOLDED PVC COVERS. BUTT THE JOINTS TOGETHER AND WRAP WITH 3" WIDE STRIP TAPE, SEAL IN PLACE WITH SCHULLER U-GLUE.
- E. INSULATION SHALL NOT BE APPLIED UNTIL THE GENERAL CONSTRUCTION HAS PROGRESSED SUFFICIENTLY TO INSURE AGAINST PHYSICAL OR MOISTURE DAMAGE TO THE INSULATION. ALL INSULATION DAMAGED THROUGH FAILURE TO OBSERVE THIS DIRECTIVE SHALL BE REPLACED AT PLUMBING CONTRACTOR'S EXPENSE.
- F. INSTALL ALL INSULATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- G. INSULATION SHALL NOT BE APPLIED OVER FLANGES, JOINTS AND SEAMS IN PIPING.
- H. INSULATION SHALL BE SCHULLER, EQUAL PRODUCT BY ARMSTRONG, CERTANTEED, OWENS-CORNING OR KNAUF MAY BE FURNISHED AT THE CONTRACTOR'S OPTION.

221113 PLUMBING BASIC MATERIALS AND METHODS

- A. PROVIDE AND ERECT THE FOLLOWING PIPING AS SHOWN ON THE DRAWINGS AND/OR AS REQUIRED.
- SANITARY BUILDING DRAIN AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON SOIL PIPE.
 - SCHEDULE 40 PVC PIPING MAY BE USED FOR SANITARY WASTE AND VENT PIPING AT THE CONTRACTOR'S OPTION IF CEILING SPACE IS NOT USED AS A RETURN AIR PLENUM SPACE.
 - DOMESTIC HOT AND COLD WATER USE TYPE "L" HARD COPPER PIPE.
 - CAST IRON - NON-COMBUSTIBLE PIPING REQUIRED IN WALL AT HOODS.
- B. THIS CONTRACTOR IS TO BECOME INFORMED OF THE EXACT DIMENSIONS OF FINISHED WORK WHERE PIPES ARE TO BE PLACED AND WILL ARRANGE THE WORK ACCORDINGLY, ASSUMING ALL RESPONSIBILITY FOR PROPER LOCATION. IN THE ERECTION OF THE MAINS, SPECIAL CARE SHALL BE USED PROVIDING SUPPORT AND PROPER ALLOWANCES SHALL BE MADE FOR EXPANSION.
- C. ALL PIPE LINES MUST BE PROVIDED WITH A SUFFICIENT NUMBER OF FITTINGS OR UNIONS TO MAKE POSSIBLE DISASSEMBLY WITHOUT BREAKAGE OF FITTINGS.
- D. ALL EXPOSED PIPING SHALL BE NEAT AND CAREFULLY ALIGNED WITH THE STRUCTURAL ELEMENTS OF THE BUILDING. NO OFFSETS OR OBLIQUE BENDS WILL BE PERMITTED. DRAWINGS ARE DIAGRAMMATIC AND SHOULD NOT BE USED FOR LAYOUT WORK.
- E. ALL LOW POINTS IN WATER PIPING TO HAVE DRAIN VALVES WITH STANDARD HOSE ATTACHMENTS. HOT AND COLD WATER PIPING IS TO PITCH TOWARD THE NEAREST DRAIN VALVE.
- F. ALL PIPES TO BE INSTALLED SHALL BE LOCATED AT SUFFICIENT DISTANCE FROM WALLS, OTHER PIPES, CONDUIT, DUCTWORK AND OTHER OBSTACLES TO AVOID INTERFERENCE AND TO PERMIT THE APPLICATION OF FULL THICKNESS OF INSULATION SPECIFIED.
- G. MECHANICAL JOINT TYPE PIPING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. THERMOMETERS BY TRERICE, ASHCROFT, MARSHALLTOWN, AND WEISS ARE ACCEPTABLE.

221000 PLUMBING SYSTEMS

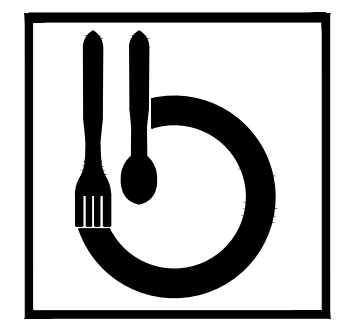
- A. SANITARY BUILDING DRAIN, SOIL, WASTE AND VENT LINES SHALL BE SERVICE WEIGHT CAST IRON HUBLESS PIPE WITH STAINLESS STEEL AT COUPLINGS. SCHEDULE 40 PVC MAY BE USED FOR SANITARY WASTE AND VENT PIPING IF CEILING SPACE IS NOT USED AS A RETURN AIR PLENUM. TYPE NO. S1110-4 MAY BE USED IN LIEU OF FIELD FABRICATED FLASHINGS.
- B. VENT STACKS SHALL EXTEND THROUGH THE BUILDING, TERMINATING 12" ABOVE THE ROOF. STANDARD FLASHING SHALL BE EXTENDED 12" IN ALL DIRECTIONS FROM THE VENT TERMINAL AND TURNED DOWN INTO VENT. FLASHING UNITS AS MADE BY STONEMAN CAULK TYPE NO. S1110-4 MAY BE USED IN LIEU OF FIELD FABRICATED FLASHINGS.
- C. HORIZONTAL RUNS SHALL BE GIVEN AS STEEP A PITCH TOWARD THE OUTLET AS CONDITIONS WILL PERMIT BUT NOT LESS THAN 1/8" PER FOOT.
- D. FULL "Y" BRANCH FITTINGS AND EXTENSION WITH BRASS NIPPLES AND FINISHED SCREW PLUGS FOR CLEANOUTS SHALL BE PLACED IN ACCESSIBLE POSITIONS AT ENDS OF HORIZONTAL LINES OF PIPE AND AT FOOT OF ALL VERTICAL LINES OF PIPE OR ELSEWHERE, AS MAY BE REQUIRED BY THE CODE.
- E. WHERE CLEANOUTS OCCUR IN FINISHED AREAS, THEY SHALL BE RECESSED AND COVERS TO BE FLUSH WITH THE FLOOR OR WALL.
- F. HOT AND COLD WATER PIPING SHALL BE PROVIDED AS FOLLOWS:
- TYPE "L" HARD COPPER TUBE WITH SOLDER FITTINGS. COPPER TUBING SHALL HAVE SWEAT JOINTS AND BE CLEAN OF SCALE AND FOREIGN MATTER BEFORE INSTALLATION. ALL ENDS OF TUBING TO BE SWEATED SHALL BE REAMED, CLEANED AND BURNISHED TO REMOVE DIRT AND OXIDE. HARD 95-5 LEAD-FREE SOLDER SHALL BE USED AND APPLIED TO THE JOINTS ACCORDING TO STANDARD PRACTICE AND/OR MANUFACTURER'S RECOMMENDATIONS. COMPRESSION STOPS AND BRAIDED SUPPLIES SHALL BE USED AT CONNECTION TO EQUIPMENT.
 - PEX-A TUBING WITH ASTM F1960 FITTINGS. PEX TUBING SHALL BE SUPPORTED WITH ADDITIONAL PEX-A PIPE CHANNEL PER MANUFACTURER'S RECOMMENDATIONS. PEX PIPING SHALL BE TERMINATED AT FIXTURES WITH PRE-MANUFACTURED COPPER STUB-OUTS. COMPRESSION STOPS AND BRAIDED SUPPLIES SHALL BE USED AT CONNECTION TO EQUIPMENT. PROVIDE RED TUBING FOR HOT WATER, BLUE TUBING FOR COLD WATER, AND WHITE/TRANSLUCENT TUBING FOR ALL OTHER DOMESTIC WATER.
- G. EACH HOT AND COLD WATER BRANCH SHALL BE PROVIDED WITH A BALL VALVE SHUT-OFF.
- H. GREASE INTERCEPTOR - SHALL BE AS SPECIFIED ON DRAWINGS.
- I. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED AT 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER, 1/8" PER FOOT FOR PIPE SIZES 4"-6", AND 1/16" PER FOOT FOR PIPE SIZES 8" OR LARGER UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON DRAWINGS. GREASE LADEN WASTE LINES AND SAND/OIL WASTE LINES SHALL BE INSTALLED AT NO LESS THAN AT 1/4" PER FOOT FALL.

221118 GAS PIPING

- A. ASTM A-53 SCHEDULE 40 STEEL PIPE PAINTED WITH YELLOW ANTI-CORROSSIVE PAINT. SCREWED OR WELDED IN ACCORDANCE WITH CODE REQUIREMENT (FITTINGS FOR LINES LARGER THAN 2" SHALL BE WELDED STEEL. FITTINGS FOR LINES 2" AND SMALLER, EXCEPT WHEN LOCATED IN AIR PLENUMS, SHALL BE SCREWED. STANDARD WEIGHT BLACK MALLEABLE). NO VALVES ARE TO BE LOCATED IN AIR PLENUMS.
- B. GAS COCK'S 1-1/2" AND SMALLER SHALL BE ALL BRONZE, SCREWED, FLAT HEAD, BRASS PLUG AND WASHER 200 LB. NOG. PROVIDE LINE SIZE 6" LONG DRIZT LEG DOWN STREAM OF GAS COCK AT ALL EQUIPMENT CONNECTIONS.
- C. PROVIDE AND INSTALL THE NATURAL GAS MANIFOLD FOR COOKING EQUIPMENT WHEN NATURAL GAS IS USED FOR FRYERS.
- D. ALL EQUIPMENT SHALL SHALL BE CONNECTED WITH RIGID PIPING AS SPECIFIED ABOVE, FLEXIBLE CONNECTORS ARE NOT ACCEPTABLE.
- E. PROVIDE UNION AT ALL EQUIPMENT CONNECTIONS.
- F. PROVIDE GAS PIPE SUPPORTS IN ACCORDANCE WITH CODE REQUIREMENTS.
- 221120 DRAIN PIPING
- A. FURNISH AND INSTALL A GRAVITY DRAIN PIPING SYSTEM FROM WATER HEATER, TERMINATING AT THE MOP SINK.
- B. PIPING IS TO BE SCHEDULE 40 PVC WITH DRAINAGE PATTERN FITTINGS, BONDED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- C. PIPING IS TO BE SECURED TO PIPE HANGERS, USING PROPER SPACING AND THE APPROPRIATE HEIGHT TO ALLOW THE PIPE TO PITCH PROPERLY.
- 221140 PLUMBING PIPING SPECIALTIES - USED COOKING OIL
- A. ASTM A-53 SCHEDULE 40 STEEL PIPE THREADED AND SCREWED OR WELDED WITH STANDARD WEIGHT BLACK MALLEABLE FITTINGS.
- B. PROVIDE UNION AT ALL EQUIPMENT CONNECTIONS.
- C. PROVIDE PIPE SUPPORTS AND STANDOFF HANGERS IN ACCORDANCE WITH CODE REQUIREMENTS.
- D. EXTERIOR UCO PIPING WITH INSULATION TO THE EXTERIOR TANK REQUIRES A STAINLESS STEEL INSULATION JACKET WITH ALL JOINTS AND SEAMS SEALED WATER TIGHT USING WATERPROOF UV RESISTANT CLEAR SEALANT (3M CLEAR HYBRID 730 UV OR EQUAL RATED TO 194 DEGREE F) WITH THE ENDS COVERED TO PREVENT WATER INTRUSION AND SEAL. PROVIDE A PIPE ESCUTCHEON AT THE WALL.
- 223300 WATER HEATER
- ELECTRIC WATER HEATERS:
- A. PROVIDE WATER HEATER, SIZE, LOCATION AND CAPACITY AND MANUFACTURER AS INDICATED ON THE DRAWINGS.
- B. TANK TYPE ELECTRIC WATER HEATER WITH GLASS-LINED TANK RATED AT 150 PSI WORKING PRESSURE, MAGNESIUM ANODE PROTECTION, BRONZE DRAIN VALVE, HIGH TEMPERATURE CUT-OFF SWITCH AND IMMERSION THERMOSTAT. TANK TO HAVE A MINIMUM R-VALUE OF 10.
- C. FURNISH AND INSTALL A WATTS NO. 40L, 34" TEMPERATURE AND PRESSURE RELIEF VALVE AND EXTEND DISCHARGE PIPE, FULL SIZE, TO WITHIN 6" ABOVE THE MOP SINK OR FLOOR DRAIN.
- D. PROVIDE AMTROL EXPANSION TANK AS SIZED ON THE DRAWINGS. EQUAL PRODUCTS BY BELL AND GOSSETT OR ADAMSON MAY BE PROVIDED AT THE CONTRACTOR'S OPTION.
- FUEL FIRED WATER HEATERS
- A. FURNISH AND INSTALL HIGH EFFICIENCY, 96% THERMAL EFFICIENCY OR BETTER, GAS FIRED, STORAGE WATER HEATER, SIZE, LOCATION AND CAPACITY AS INDICATED ON THE DRAWINGS.
- B. WATER HEATER SHALL BE RHEEM RUUD WITH INTELLIGENT CONTROL SYSTEM/LCD DISPLAY. EQUAL HEATERS BY A.O. SMITH, OR LOCHINVAR MAY BE FURNISHED AT THE CONTRACTOR'S OPTION.
- C. TANK TYPE GAS FIRED WATER HEATER WITH GLASS-LINED TANK RATED AT 150 PSI WORKING PRESSURE, POWERED ANODES PROTECTION, BRONZE DRAIN VALVE. TANK TO HAVE A MINIMUM R-VALUE OF 10.
- D. FACTORY-INSTALLED TEMPERATURE AND PRESSURE RELIEF VALVE. EXTEND DISCHARGE PIPE, FULL SIZE, TO WITHIN 6" ABOVE THE MOP SINK OR FLOOR DRAIN.
- E. PROVIDE WATTS, POTABLE WATER EXPANSION TANK AS SIZED ON THE DRAWINGS. EQUAL PRODUCTS BY AMTROL BELL & GOSSETT MAY BE PROVIDED AT THE CONTRACTOR'S OPTION.
- 224000 PLUMBING FIXTURES AND EQUIPMENT
- A. WATER CLOSETS AND LAVATORIES SHALL BE VITREOUS CHINA AND SHALL ALL BE BY THE SAM MANUFACTURER.
- B. ALL WALL HUNG LAVATORIES, FLUSH VALVES, ETC., SHALL BE PER DRAWINGS AND MOUNTED AT THE MANUFACTURER'S RECOMMENDED ROUGHING IN MEASUREMENTS, UNLESS NOTED OTHERWISE.
- C. VALVES TO BE AS FOLLOWS:
- 125 LB. S.W.P. GATE, GLOBE AND CHECK VALVES:
- GATE (2-1/2" AND SMALLER) - ALL BRONZE, SCREWED, TAPERED, SOLID WEDGE DISC, SCREWED BONNET, RISING STEM.
 - BALL (2-1/2" AND SMALLER) - ALL BRONZE, TEFLON STEM SEALS AND SEAT, 1/4 TURN SHUT-OFF, VINYL COVERED HANDLES.
 - GLOBE (2-1/2" AND SMALLER) - ALL BRONZE, SCREWED, TAPERED, SOLID WEDGE DISC, SCREWED BONNET, RISING STEM.
 - CHECK (2-1/2" AND SMALLER) - ALL BRONZE, SCREWED, HORIZONTAL SWING CHECK WITH BRONZE DISC.
- C. VALVES SHALL BE MILWAUKEE. EQUAL PRODUCTS BY CRANE, HAMMOND, POWELL, WALWORTH, NORTHERN INDIANA BRASS COMPANY OR STOCKHAM MAY BE FURNISHED AT THE CONTRACTOR'S OPTION.
- D. UNIONS TO BE AS FOLLOWS:
- UNIONS FOR COPPER PIPE TO BE 150LB, ALL BRONZE, SOLDER END TYPE BY CHASE. EQUAL PRODUCTS BY CRANE, MUELLER OR NORTHERN INDIANA BRASS COMPANY MAY BE FURNISHED AT THE CONTRACTOR'S OPTION.
 - DIELECTRIC UNIONS BETWEEN FERROUS AND COPPER SHALL BE INSULATED TO PREVENT METAL-TO-METAL CONTACT AND SHALL BE MANUFACTURED BY CAPITAL MANUFACTURING COMPANY OF COLUMBUS, OHIO. EQUAL PRODUCTS BY PATROL OR PECO SALES COMPANY.
- E. CLEANOUTS TO BE AS FOLLOWS:
- FLOOR TYPE TO BE ADJUSTABLE CAST IRON WITH NICKEL BRONZE TOP. TOP TO BE FLUSH WITH FLOOR. SEE DRAWINGS FOR MODEL AND MANUFACTURER.
 - WALL TYPE TO BE CAST IRON TEE WITH ROUND POLISHED STAINLESS STEEL ACCESS COVER AND THREADED PLUG. SEE DRAWINGS FOR MODEL AND MANUFACTURER.
- F. FLOOR DRAINS TO BE AS FOLLOWS:
- CAST IRON BODY SHALLOW SUMP DRAIN WITH DOUBLE DRAINAGE FLANGE AND WEEPHOLES, FLASHING CLAMP, BOTTOM OUTLET WITH NEOPRENE GASKET INSIDE CONNECTOR, 6" DIAMETER ADJUSTABLE GRATE, FRAME AND GRATE TO HAVE POLISHED NICKEL-BRONZE FINISH. SEE DRAWINGS FOR MODEL AND MANUFACTURER. EQUAL PRODUCT MAY BE SUPPLIED AT THE CONTRACTOR'S OPTION.

SITE NUMBER:	13952
BASE MODEL:	GLOBAL NEXT GEN
ASSET TYPE:	FRANCHISE
CLASSIFICATION:	NRO
OWNER:	BRIDGEMAN FOODS II, INC.
BASE VERSION:	NEXT GEN 30
UPGRADE CLASSIFICATION:	FRAN NEW BASE
PROJECT YEAR:	2023
FURNITURE PACKAGE:	NEXTGEN 30
DESIGN BULLETINS:	DB 2022-07

PROJECT TYPE:
NRO



Bridgeman Foods II, Inc.

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 Louisville, Kentucky 40245
 phone (502) 254-7130
 jravings@bfcpanies.com

Wendy's
 COMMONS CIRCLE
 PLOVER, WI 54467

#	DATE	REMARK

ISSUED FOR PERMIT

ISSUE DATE: 02/10/23
 DRAWN BY: BH
 CHECKED BY: SK

Signature: _____
 Date: 02/10/2023
 Expiration Date: 07/31/2024

PLUMBING SPECIFICATIONS

SHEET NUMBER

P5.0